



Telangana Academy of Sciences

# Hand Book (2020-2021)

Science to Ignite Young Minds and Enlighten the Masses

Science for the Nation's Prosperity



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	<b>Name:</b> Dr. Achaiah G. <b>DOB:</b> 10-06-1960 <b>FTSA:</b> TAS-2017 <b>Address:</b> Professor and Dean, Faculty of Pharmaceutical Sciences, Kakatiya university, Warangal, 506009. <b>Mobile:</b> 9440601054, 8639329570 <b>E-mail:</b> achaiah_g@yahoo.co.in; achaiah1960@gmail.com
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B. Pharm. (KU), M.Pharm (Pharmaceutical Chemistry) (AU), Ph. D (KU): Doctoral work on synthesis of Synthesis of New Derivatives of Chromone-3-carboxaldehydes as anti-allergic agents. Postdoctoral research at University of Regensburg and ASTA medica AG, Frankfurt , Germany under DAAD fellowship on synthesis of New Quinolones as Interleukin inhibitors. Joined as Faculty member in the University College of Pharmaceutical Sciences, Kakatiya University, Warangal in April 1991. Served as Head and Principal of the institute. At present, serving as Dean of the Faculty. Also worked as Professor in Libya for one year.

**Academic and Research Achievements:** His research is focused on design , synthesis of various heterocyclic agents and their pharmacological evaluation for anticancer, antidiabetic, anti-inflammatory and anti-microbial activities including tuberculosis. He worked on **synthesis and biological activity of Quaternary salts of 4, 3' and 4, 4' bis-pyridiniummonooximes as reactivators of acetylcholinesterase and their usefulness as antidotes in pesticide poisoning**. Also works on Molecular modeling studies of phenoxy pyrimidinylimidazoles, new substituted benzimidazole derivatives and pyrazolyl urea derivatives as p38 kinase inhibitors, synthesis, and Anti-Inflammatory Activity of novel pyrimidinobenzothiazole amine derivatives. Molecular docking Studies on new dihydropyridine derivatives as human MRP1 inhibitors were carried out and a few molecules with potent activity as multidrug resistance reversal agents were identified in *in vitro* studies. We have prepared new 1,4-dihydropyridines having significant antitubercular activity (MIC=12.5–25 µg/mL) in comparison with the first line drug pyrazinamide. We could publish the work in ***European Journal of Medicinal Chemistry*** (2011, 46(5), 1564-71). In collaboration with Osmania University a series of novel 2-(substituted 2H-chromen-3-yl)-5-aryl-1H-imidazole derivatives were synthesized as an anti-angiogenesis and anticancer agents. A new series of pyrrolo[2,3-d]pyrimidine derivatives were synthesized and evaluated against human colon cancer cell lines. He is also involved in synthesis of fluorinated non-imidazole histamine H3 receptor antagonists at University of Frankfurt.

**Other Contributions:** Published about 45 research papers in peer-reviewed journals and guided 08 PhD students. He served as Chairperson, Board of Studies in Pharmacy. He conducted several Staff development programs of two week duration as Convener for the teachers of pharmacy, as part of QIP (Quality Improvement Program) of AICTE. Member of Academic Senate, Acharya Nagarjuna University, Guntur and Kakatiya University He also served as Regional Co-ordinator (Warangal) for EAMCET and PG CET.

**Awards and Honors:** Junior Research Fellow of ICMR (Indian Council of Medical Research) and UGC and Fellow of German Academic Exchange Service (DAAD).





Name: **Prof. (Dr) Ahmed Kamal**  
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B.Sc. (Chemistry, Biology), Osmania University, Hyderabad, 1975, M.Sc. (Organic Chemistry), Aligarh Muslim University, Aligarh, 1977, M.Phil. (Chemistry), Aligarh Muslim University, Aligarh, 1979 (worked at IICT), Ph.D. (Chemistry), Aligarh Muslim University, Aligarh, 1982 (worked at IICT), CSIR- Junior/Senior Research Fellow, 1977-82, Post-Doc. Research (Medicinal Chemistry), University of Portsmouth, UK, 1988-89, Visiting Scientist, University of Alberta, Edmonton, Canada, 1993-94, Scientist at different levels, CSIR-Indian Institute of Chemical Technology, Hyderabad, India 1983-2010, *Outstanding Scientist* (Director level), CSIR - Indian Institute of Chemical Technology, Hyderabad, India, 2010-2016, Acting Director 2012-2013 and April 2015-June 2015 CSIR - Indian Institute of Chemical Technology, Hyderabad, India. Also *Project Director*, National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, 2009-2016, *Pro-Vice Chancellor* and *Professor*, Dept. of Pharmaceutical Chemistry, SPER, Jamia Hamdard, New Delhi since October, 2017.


**Academic and Research Achievements:** Guided over one hundred research scholars for their Ph.D. programmes and a large number of post graduate students for their dissertations in multi-disciplinary research projects of organic synthesis, medicinal, combinatorial and green chemistry including chemical biology and biocatalysis. Research activities are in the design and synthesis of gene-targeting compounds as new and novel anticancer agents, and their targeted delivery as prodrugs. Development of affordable anticancer therapeutics; in this pursuit, structural modifications on the pyrrolo[2,1-c]benzodiazepine (PBD) ring system has been explored extensively. Moreover, a large number of DNA topoisomerase II and tubulin polymerization inhibitors as well as inducers of apoptosis based on podophyllotoxin, combretastatin A-4, phenstatin,  $\beta$ -carboline, curcumin and E7010 have been designed, synthesized and evaluated for their anticancer potential. Some lead compounds are undergoing detailed investigations. A large number of enantiomerically pure chiral intermediates have been obtained by lipase catalyzed transesterification processes, apart from the process development of biofuels.

Filed more than 430 patents and over 300 patents granted. Published more than 530 research papers; about 30 review articles and 10 chapters in books.

**Other Contributions:** Establishment of the National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad as its Project Director. Several academic collaborations were developed internationally with Imperial College London, King's College, London, University of Wuppertal, Germany, University of Greifswald, Germany, University of Cape Town, University of Witwatersrand, Johannesburg, South Africa and Lomonosov Moscow State University, Russia. Coordinated the US-India Consortium for the Development of Sustainable Advanced Lignocellulosic Biofuel Systems under the Second Generation Biofuels.

**Awards and Honors:** YMSA Young Scientist Award from MAAS & TWAS – 1988, CSIR Young Scientist Award in Chemical Sciences – 1991, Fellow of National Academy of Sciences (FNASc), India – 1999, Best Patent Award from the Indian Drug Manufacturers Association (IDMA) – 2005, Medal from the Chemical Research Society of India (CRSI) for contributions to research in Chemistry - 2005, Ranbaxy Research Award in the field of Pharmaceutical Sciences - 2005, UKIERI Standard Award for Biomedical Solutions between India and UK – 2006, Andhra Pradesh Scientist Award in Chemical Sciences by A P State Council of Science & Technology – 2007, OPPI Scientist Award from the Organization of Pharmaceutical Producers of India – 2009, Fellow of Andhra Pradesh Academy of Sciences (FAPSc) – 2010, Fellow of Royal Society of Chemistry (FRSC) – 2011, Most Outstanding Researcher in the field of Chemistry by *Careers 360* - 2018.



	<p>Name: <b>Dr. Ahuja Y. R</b>          DOB: 01-06-1951          Elected: TAS-2007          Address: Director (Research), Dept. of Genetics, Vasavi Medical &amp; Research Centre, 6-1-91. Khairatabad, Hyderabad- 500 004.          Mobile: 9441245418          E-mail: <a href="mailto:yrahuja30@gmail.com">yrahuja30@gmail.com</a></p>
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**Academic and Research Achievements:** For graduate studies he was at the University of Delhi and for post-graduate studies at Indian Agricultural Research Institute New Delhi. He worked for his Ph.D. in Genetics at the University of California, Berkeley, and was Post-doctoral Fellow at the Dept of Human Genetics, University of Michigan, Ann Arbor, USA. He joined the Dept of Genetics, Osmania University, Hyderabad as Associated Professor and superannuated as Professor of Genetics.

**Other Contributions:** Dr. Ahuja's research interests have been in the area of mutagenesis and carcinogenesis in the human system. His research group has evaluated *in vitro* genotoxicity of certain antibiotics, anti-tubercular and antipsychotic drugs. This was followed by *in vivo* genotoxicity studies on human/ animal exposure to lead arsenic, copper, glass, electromagnetic fields and highly polluted water. He was also involved in developing a battery of tests based on cytogenetic and molecular biomarkers for risk assessment of cancer. Lately, his focus has been on neurodegenerative disorders with special attention to Autism. His research work has been supported by grants from UGC, ICMR, CSIR, Departments of Biotechnology, Science & Technology and Environment. He has published over 220 scientific papers, co-edited one book with Dr. J V Neel on "Genetic Microdifferentiation in humans and other animal populations", and edited a second text book on Genetics for Indira Gandhi National Open University (IGNOU), New Delhi.

**Awards and Honours:** Dr. Ahuja was awarded 3-year Govt. of India scholarship to work for his Ph.D. Later on, he was awarded Emeritus Professorship by the Indian Council of Medical Research followed by University Grants Commission. American Biographical Institute honored him with International Cultural Diploma and Man of the year. He has been President of Indian Society of Human Genetics, and Vice President of Environmental Mutagen Society of India. He is a Life Member of American Society of Human Genetics. He has attended several National and International Conferences.

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	<b>Name:</b> <b>Dr. Ajit Kumar Reddy</b>
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	<p> Name : <b>Prof. Khaja Altaf Hussain</b>  DOB: 10-12-1959  FTAS : TAS/2014  Address: Registrar &amp; Professor, Dept. of Physics, Kakatiya University, Warangal-506009  Mobile : 9848369406  E-Mail : <a href="mailto:althafhussain.ku@gmail.com">althafhussain.ku@gmail.com</a> </p>
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#### **Academic and Research Achievements:**

He has done one major research Project and one minor research project, published his papers in 28 international journals, Ave imp. Factor =>1. Designed and fabricated x Ray diffraction Photographic cameras. Designed and fabricated number of laboratory experiments for M.Sc students.


#### **Other Contributions:**

Organized number of workshops/Awareness programs/training programs for teachers/conferences/seminars in special areas in Physics. He served terms as additional controller of exams, served as Director for Internal Quality Assurance Cell, KU and worked for 2 years as Chairman for Board of studies in Physics, KU and Sathavahana University. Worked as Head Dept of Physics in KU.

#### **Awards and Honors:**

He is the Registrar of Kakatiya University, Member of Board of Studies, Osmania University and he has published 3 books.



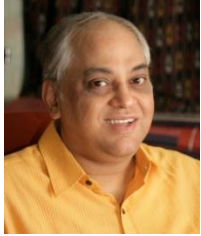
	Name : <b>Prof. Amaranath T.</b> DOB : 14-08-1951 FTAS : TAS-2003 Address : School of Mathematics and Statistics, University of Hyderabad, Gachibowli, Hyderabad- 500 046 Mobile : 9866104053 E-mail : <a href="mailto:amaranath.t@gmail.com">amaranath.t@gmail.com</a>
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M.Sc. Mathematics (University of Madras (1973)) and Ph.D. IIT Madras (1978). Lecturer at Loyola College, Madras (1975-78), Project Associate at IIT, Madras (1978-80), Anna University as a Lecturer (1980-85), University of Hyderabad as a Reader (1985-96), and Professor (1996onwards.)

**Academic and Research Achievements: His Research:** Stokes flows and flow through porous media. The complete general solutions of Stokes equations proposed by him have enriched the hydrodynamical literature lending themselves to a variety of applications in boundary value problems involving spherical and non-spherical geometries. A major component of his work involved establishing the completeness of the solutions of Stokes equations and Brinkman equations proposed by him. Made significant contributions in the study of problems of flow through porous media using Darcy and Brinkman models.

**Other Contributions:** Member of the Executive Organizing Committee (EOC) of the prestigious ICM ( 2010) held at Hyderabad book “An Elementary Course in Partial Differential Equations” which has been prescribed as a post graduate text book by many Indian Universities. It is second edition has been reprinted many times with an American edition as well.


**Awards and Honours:** Recipient of the President of India prize for the best paper presented in the 20<sup>th</sup> annual congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM), (1975.) is a Recipient of the C.L. Chandna Award (2001) a Recipient of the Dr.Sanjeevaraya Sharma Ganitha award, (2008.) He was a member of the National Board for Higher Mathematics (NBHM), member of NBHM Library Committee and Coordinator of NBHM Book Scheme. Fellow of National Academy of Sciences (FNASc), Allahabad. a Member, Planning Board of Pondicherry University. President of the Indian Society of Theoretical and Applied Mechanics (ISTAM) (2015.)

	<p>Name: <b>Prof. Amitabha Chattopadhyay</b>  Born: 09-10- 1956  Elected : TAS-2003  Address: Outstanding Scientist, CCMB, Uppal Road, Hyderabad 500 007  Mobile: 9849803092  E-mail: <a href="mailto:amit@ccmb.res.in">amit@ccmb.res.in</a>,</p>
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**Academic and Research Achievements:** B.Sc. in Chemistry (St. Xavier's College ,Calcutta),M.Sc. (IIT Kanpur). Obtained Ph.D. State University of New York (SUNY) at Stony Brook, and was a Postdoctoral Fellow at the University of California, Davis. He subsequently joined the Centre for Cellular and Molecular Biology (CCMB) in Hyderabad and is now an Outstanding Scientist (Director level) there. Prof. Chattopadhyay's work is focused on monitoring organization, dynamics and function of biological membranes in healthy and diseased conditions. His group has developed and applied novel, innovative and sensitive techniques using fluorescence spectroscopy for monitoring solvent relaxation in membranes, membrane-mimetic media, and proteins. These pioneering studies have led to a better understanding of the dynamics of hydration of membranes and proteins. Another seminal contribution of Prof. Chattopadhyay's group focuses on the role of membrane cholesterol in regulating the organization, dynamics and function of G protein-coupled receptors such as the serotonin<sub>1A</sub> receptor. His work has also provided novel insight in the role of membrane cholesterol in the entry of pathogens into host cells.

**Other Contributions:** Prof. Chattopadhyay has served on the editorial boards of a large number of reputed international journals that include *Biophysical Journal*, *The Journal of Physical Chemistry*, *Journal of Neurochemistry*, *BBA-Biomembranes*, *FEBS Letters*, and *ACS Chemical Neuroscience*. He has mentored a number of students for Ph.D. Prof. Chattopadhyay has authored more than 200 research publications (mostly as first or senior/corresponding author; total citations > 7600, ***h-index* 46**), a monograph, and national and international patents. He has delivered more than 450 invited lectures all over the world including keynote, plenary, and colloquium lectures. Prof. Chattopadhyay has organized a number of international conferences on the broad theme of biological membranes including a thematic meeting of the Biophysical Society. Prof. Chattopadhyay has been instrumental in designing and teaching courses related to biomembranes and fluorescence spectroscopy for Ph.D. students in India and other parts of the world. In recent years, Prof. Chattopadhyay has been involved with science awareness programs among high school and college students. Prof. Chattopadhyay is an Adjunct Professor at the Royal Melbourne Institute of Technology (Australia), Tata Institute of Fundamental Research (Mumbai), Indian Institute of Technology (Kanpur), Jawaharlal Nehru University (New Delhi), Indian Institute of Science Education and Research (Mohali), Institute of Life Sciences (Hyderabad) and Honorary Faculty at the Jawaharlal Nehru Centre for Advanced Scientific Research (Bangalore). He serves as the first Dean of Biological Sciences of the Academy of Scientific and Innovative Research.

**Awards and Honors:** Awarded the prestigious **Shanti Swarup Bhatnagar Award**, Ranbaxy Research Award, Prof. G.N. Ramachandran 60<sup>th</sup> Birthday Medal from the Indian National Science academy, and is a J.C. Bose Fellow of the Dept. of Science and Technology, Govt. of India. He is an elected Fellow of the Royal Society of Chemistry, and all the Indian Academies of Science and West Bengal Academy of Science and Technology.

	<b>Name:</b> Dr. AMIT ASTHANA <b>Born:</b> 04-05-1971 <b>FTAS:</b> TAS/ 2017 <b>Address:</b> CSIR-Centre for Cellular and Molecular Biology, ANNEX-2 Medical Biotechnology Complex, Ihub, Uppal Road, Uppal, Hyderabad 500039 India <b>E-mail:</b> <a href="mailto:amitasthana4@gmail.com">amitasthana4@gmail.com</a> / aa@cccmb.res.in <b>Mobile:</b> 91-9666244410
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B. Sc. (Chemistry and Biology), Barkatullah University, 1993. M.Sc. (Applied Chemistry), Barkatullah University, 1995. Ph. D. (Chemistry), Barkatullah University, 2000 on "Detection Enhancement and Separation of Toxic Compounds Using Capillary Electrophoresis and Other Nano & Micro- Scale Analytical Techniques". Visiting Research Fellow, Department of Chemistry, faculty of Science, University of Amsterdam, The Netherlands, 1997-98; Senior Research Fellow (C.S.I.R.), Advanced Materials and Processes Research Institute (formerly R. R. L., Bhopal), India 1999-2000; Curie Postdoctoral Fellow, Institut Curie, Paris, France, 2000-01; DAPRA- Postdoctoral Fellow, Dept of Biomolecular Engineering, University of Illinois at Urbana- Champaign, IL, USA 2001-03; Quick Hire Scientist (Range -2), Advanced Materials and Processes Research Institute (formerly R. R. L., Bhopal), 2003-04; Research Professor, Chungnam National University, South Korea; 2004-05; Assistant Professor, Rai Foundation College, India, 2005-06; Assistant Professor and Head, Department of Humanities, Ambala College of Engineering and Applied Research, India, 2006-07; Brainpool Invited Professor, Chungnam National University, South Korea, 2007-08; Senior Research Officer, Australian National Fabrication Facility, QLD Node, University of Queensland, Australia, 2008-11; Ramalingaswamy Fellow, CSIR-Centre for Cellular and Molecular Biology, India, 2011-13; Principal Scientist CSIR-Centre for Cellular and Molecular Biology, India, 2013-till date .

**Academic and Research Achievements:** > 19 years of experience in the field of Microfluidic and Nanotechnology; received 13 projects worth ~Rs 758 lakhs. The work of the group is extensively covered in newspapers such as a to make common citizen aware of cutting edge scientific development which includes paper-based device to determine lipid profile, viscometer, paper-base device for determination of pregnancy in cattle. Total 53 human resource trained, including 32 PG, 10 UG, 8 summer trainees, and 03 post-docs. Conducted 04 workshops nationally, published popular articles in Hindi. Strong Industrial connection as, Advisor and Mentor to  $\mu$ PADs Division, Vijayawada, India,  $\mu$ Fluidic Paper Medical Devices Pvt. Ltd., Hyderabad, FastSense Diagnostics Pvt. Ltd., Pune, Axio Biosolutions, Bangalore. Published 40 publication in International - national journals and conference proceedings apart 4 patents.

**Other Contributions:** Established facility for mask-making, photolithography, softlithography, paper-based microfluidic devices fabrication which includes wax-printer, method based on X-Y plotter, and laser cutting. Part of the management committee for implementation of DSIR-CCMB-CRTDH program and selection of technology to be taken up further for incubation by start-ups.

**Awards and Honors:** Fellow of Telangana Academy of Science, recipient of Ramalingaswami Fellowship, Brainpool Fellowship, Quick Hire Fellowship (Range-2), DARPA Post Doctoral Fellowship, Curie Post Doctoral Fellowship, CSIR-Senior Research Fellowship, Indo-EC visiting Research fellowship. Apart from this Expert reviewer in various committee for government and private awards and project evaluation; Chaired session and jury member in various conference in India and abroad, Award of Honor, as Distinguished Speaker in various conference, II<sup>nd</sup> prize in oral present, Nano-Bio-Med 2015, IIT Mumbai, 2<sup>nd</sup> best poster award in 11<sup>th</sup> ACC, Seoul, Member of Doctoral Research Committee SRM University and VIT, University, Regular reviewer of journals like Analytica-Chemica-Acta, Analytical Chemistry, Analyst, Lab-Chip, Talanta, Microfluidic Nanofluidic, Micro & Nano letter. *Ph.D. Thesis examiner* for AcSIR, IIT-Mumbai, Thiruvalluvar University, Pune University, and SRM University.




	<b>Name:</b> Prof. Anand Kumar K. <b>Born:</b> 20-08-1963 <b>FTAS :</b> TAS/2007 <b>Address :</b> Professor, Molecular Therapeutics laboratory, Dept. of Biotechnology, School of Life Sciences, University of Hyderabad, Gachibowli, Hyderabad-46. <b>Mobile:</b> 9246212654 <b>E-mail</b> <a href="mailto:akondapi@gmail.com">akondapi@gmail.com</a>
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Graduate, post-graduate and doctoral chemistry (AU, Visakhapatnam). pursued postdoctoral research for three years. Department of Biochemistry, IIS, Bangalore in the area of genetic recombination. He joined University of Hyderabad in 1993 and initiated research work in the area of “Development of molecular therapeutics”. Then, he was a post-doctoral scientist in the Laboratory of Tumor Cell Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland and Institute of Human Virology, University of Maryland, Baltimore, Maryland, USA (1996-97).

**Academic and Research Achievements:** He uses a combination of biophysical, bioinformatics, molecular and cell biological techniques to understand molecular processes involved in functional characterization of Topoisomerase II isoforms and other proteins in HIV-1 replication, senescence, and ageing. The studies showed that Topoisomerase II beta expression enhanced during envelope-mediated acute viral infection. Expressed beta isoform is activated by phosphorylation by a virus encoded kinase activity. It has been shown that both the isoforms of Topoisomerase II are strongly associated with HIV reverse transcription complex, strand transfer reaction, pre-integration complex formation and integration. In addition, topoisomerase beta isoform is essential for tat-mediated viral gene expression. Molecular characterization of these processes are in progress. Further, Topoisomerase II beta has been shown to be associated with double strand break (DSB) repair foci and essential for regulation of DSB and base excision repair mechanisms. His research established that Topoisomerase II beta is a potential marker in ageing and neuronal senescence. He is currently focusing on identification of genes involved in neuronal senescence and their role in health and disease.

**Other Contributions:** He has identified two anti-HIV-1 proteins associated with placental tissues and these proteins has been shown to be associated with endothelial cell lines of capillaries that are involved in nutrition supply to placenta. A protein nanoparticles based technology has been developed for targeted delivery of pharmaceutically active agents. Efficacy and safety of apotransferrin and lactoferrin nanoparticles as oral and intravenous formulations has been tested successfully against cancer and HIV infected cells. He has developed various organic and organometallic inhibitors against cancer and HIV infection.

**Awards and Honours:** Recipient DAE doctoral fellowship (1988), NBTB Research Associate ship (1990), and DBT overseas associate ship (1996). Elected fellow of Telangana Academy of Sciences (2007). He is the convener of TRednys in Biochemistry, Treasurer of Society for Neurochemistry (India). He is a life member of Indian Society for Technical Education and Indian Science Congress. He has been given “Nature” Travel award in 2014.


	<p> <b>Name:</b> Prof. Anand Rao M.  <b>Born:</b> 03-04-1952  <b>FTAS:</b> TAS-2005  <b>Address:</b> H.NO. 8-48/1, Ravindra Naga, St.No-8, Habsiguda,Hyderaabd-500 007  <b>Mobile:</b> 9441066030  <b>Email:</b> <a href="mailto:mesinenianand@gmail.com">mesinenianand@gmail.com</a> </p>
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B.Sc. (OU, 1974), M.Sc. Chemistry (OU, 1976), Ph. D. Physical Chemistry(OU, 1980), Joined OU, as Assistant Professor of Chemistry in 1979 and elevated to Professor of Chemistry in 1996.

**Academic and Research Achievements:** Prof. Rao taught for 38 years the core and applied topics in Physical Chemistry to B.Tech, M.Sc. and Ph.D. Students. He was a Resource Person / Guest professor to various UG/PG Colleges, Academic Staff Colleges of A.P. and Telangana. Published 72 research papers in reputed national and the International Journals. Fourteen students awarded doctoral degrees under his able guidance in the field of thermodynamics, polymers, and biotechnology reaction dynamics. An guided two research students. He served as a university nominee on the Governing bodies of many affiliated college of OU. Prof. Rao was associated with AICTE (2008-2014) as Peer Team Member. He has been a resource person for several years on APPSC and UPSC selection boards.

**Other Contributions:** He occupied important positions like chairman for M.Sc Forensic Science, Vice Principal, University college of Science and the Director “Centre for Distant Education” Osmania University for almost a decade. He attained superannuation. 2012. working as a” Adjunct Professor” at one of the prestigious Engineering Colleges of the Telangana state for the last six years.

**Award and Honors:** His guest lectures in the topics of LASERS and Environment Chemistry for UG/PG students of AP Colleges / Universities are noteworthy. He is guiding for two Govt. Degree Colleges Lectures for their research work. Thus, He is still active in both teaching and research.

	<p> <b>Name:</b> Prof. ANITA JAGOTA  <b>Born:</b> 17-06-1964  <b>FTSA:</b> TAS- 2017  <b>Address:</b> Department of Animal Biology , University of Hyderabad, Hyderabad-500 046.  <b>Mobile:</b> 9701153535  <b>E-mail:</b> anitajagota01@gmail.com; <a href="mailto:ajsl@uohyd.ernet.in">ajsl@uohyd.ernet.in</a> </p>
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Dr. Anita Jagota is Professor University of Hyderabad. MSc-Zoology (DU). Ph.D. Neurobiology (JNU, 1991). Post doctoral research, at CCMB (1992-1997), Hyderabad and later to University of Massachusetts Medical Center, Worcester USA (1997-1999).


#### **Academic and Research Achievements:**

Prof. Anita Jagota, focused on elucidating the understanding of mechanisms involved in neural regulation of circadian system linking its complexities to aging, neurodegeneration and inflammation. Her research work is focused towards identification of biomarkers of circadian dysfunction using nocturnal and diurnal animal models. They have reported recently alterations in clock gene expression, serotonin metabolome, inflammatory markers of aging and neurodegeneration in rotenone induced Parkinson's Disease rat model. They have identified few proteins which may prove important biomarkers of clock dysfunction and Aging. Neurohormone melatonin, an endogenous synchronizer, an antiaging agent decreases with aging. Therapeutic differential restoratory effects of various antioxidants such as melatonin, curcumin and Ashwagandha on aging and neurodegeneration induced circadian dysfunction were reported through various parameters studied. she also reported sleep disorders affecting differentially women in variable age groups in relation to physiological, psychological and social factors.

**Other contributions:** Published about 50 papers in Nature neuroscience, Brain Research, American Journal of Physiology, Biogerontology (Springer) etc. many review articles and book chapters. She has also authored two popular science books.

**Awards and Honours:** Vice-President of Indian Society of Chronobiology; Editorial Board Member of Springer Journal Biogerontology; Member Expert Committee LSRB, DRDO. Member, Task Force on Neuroscience, DBT. She was awarded "Professor K.S. Swamy Memorial Prize, (1989) and also Jyotsnamoyee Raghunath Bhattacharya Award, (2001).



	<b>Name:</b> Dr. Anitha, V. <b>Born:</b> 13-03-1969 <b>FTAS:</b> TAS/2019 <b>Address:</b> Director (Planning and Monitoring) Admn. Office, Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad - 500030 <b>E-mail:</b> <a href="mailto:anitha.vodur@gmail.com">anitha.vodur@gmail.com</a> <b>Mobile:</b> 91-9440258050
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Dr.V.Anitha, has more than 20 years of experience as a researcher, teacher, extension entomologist with field experience of working with pest management in varied crops like legumes, fruits and vegetables. She is a doctorate in Agricultural Entomology from Acharya NG Ranga Agricultural University (1997). Her areas of specialization are Soil arthropods, horticultural crop pest management and pesticide residue analysis. She started her career as the Project leader for Southern India component of the ACIAR funded international project on Management of White grubs in Peanut in Asia and Australia based at ICRISAT, Patancheru, India in 1998 and contributed to the mapping of the root grub fauna in the southern states and Integrated pest management of the pest, which was a pioneering work. She joined her *alma mater* in 2001 and continues to serve the farming community of the State in various capacities and is currently Director (Planning and Monitoring), PJTSAU. As a teacher she has offered basic entomology courses to diploma students in agriculture polytechnics to advanced insecticide toxicology course to PG students using digital AV aids and active student participation. As Vice Principal of Agricultural Polytechnic, Palem, she gained experience as an administrator, counsellor to faculty and students and developed the teaching infrastructure of the polytechnic.

**Academic and Research Achievements:** She has guided 3 M.Sc students in studying pest dynamics and management of flower, vegetable and fruit crops as Chairman and 3 students as Member of the advisory committee in Agricultural entomology. Dr. Anitha was also the Quality Manager and Head of Pesticide Residue Laboratory (All India Network Project of Pesticide Residues)(2016-18), a premier lab of PJTSAU, which is NABL accredited as per ISO:IEC 17025:2005 with a scope of testing pesticide residues of 71 pesticides in fresh produce. She generated valuable data on dissipation dynamics of various to be registered pesticides on various crops which is mandatory for fixation of Maximum Residue limits and safe waiting periods by CIBRC and FSSAI. As Principal Investigator of the GOI funded Monitoring of Pesticide Residues at National Level (MPRNL) project, her team monitored data on pesticide residues on various food commodities from selected areas of Telangana and spread awareness on safe use of pesticides and decontamination among farmers and consumers. Dr.Anitha, has a special interest in farmer outreach programmes, specially with regard to pest management in various crops, pesticide usage and safe use of pesticides through various print, electronic media and personal contact. She has developed >25 crop production and protection related DVDs, and is also associated with the development of a well equipped audio video studio at ARI, PJTSAU. She has >40 publications in peer reviewed journals and has been awarded best research paper in scientific conferences. She has served as editor, reviewer for newsletters, research journals, organizing secretary for regional/national conferences which is testimony to her professional interest.

**Other Contributions:** She has also contributed her services as Technical secretary to the Special Officer/ Vice Chancellor, PJTSAU from the inception of the new University post bifurcation since 2014. She was involved in the preparation of several documents crucial for planning the teaching, research and extension priorities of the University, profile building of PJTSAU that has resulted in its securing the 6<sup>th</sup> Rank (ICAR ranking) among SAUs in India.

**Awards and Honors:** She is a recipient of the State Meritorious Teacher award by the Govt. of Telangana in 2018 apart from Outstanding Woman Scientist Award in 2015 and 2016 bestowed by recognized professional bodies.




**Name:** Prof. Anji Reddy M.  
**Born:** 15-06-1963  
**FTAS:** TAS-2012  
**Address:** Director, Directorate of Research and Development, JNTUH, Kukatpalli, Hyderabad-500 085  
 Flat No.102, FD Towers, Opp. Susheela Hospitals, Engineers Colony, Yellareddyguda, Hyderabad-500 07  
**E-Mail:** [mareddyanjireddi@gmail.com](mailto:mareddyanjireddi@gmail.com)  
**Mobile:** 9440891270, Off: 040-23152332, Res: 040-23748221

Professor of Environmental Science and Technology Centre for Environment in JNTU, Hyderabad. He can be called as the Man of degrees with dual doctorate degree from renowned universities. As a teacher Prof. Reddy is a man with outstanding caliber in guiding many students with their academics and their projects in various applications of remote sensing and GIS in environmental management and planning. His contributions to the field of environmental management, the guest lectures delivered at esteemed universities are outstanding. JNTU is privileged to have such a scholar with great commitment, dedication and knowledge.

**Academic and Research Achievements:** October 2008 to onwards Director, Directorate of University foreign relation January 2006 to January 2008 Professor & Director, Institute of Science and Technology (IST), JNT University, Hyderabad. February 2004 to January 2006 Professor & Head, Centre for Environment, IST JNT University, Hyderabad Officer in charge, IST Nodal Centre JNTU September 2003 to February 2004 Professor of EST Centre for Environment, IPGSR JNT University, Hyderabad Officer in charge, IST Nodal Centre JNTU October 1999 to January 2004 Associate Professor Centre for Environment, IPGSR JNT University, Hyderabad. India. October 1998 to October 1999 Assistant Professor, Centre for Remote Sensing, IPGSR JNT University, Hyderabad., India. June 1995 to October 1998 Senior Lecturer Centre for Remote Sensing, JNT University, Hyderabad. India. May 1989 to June 1995 Lecturer, Centre for Remote Sensing, JNT University, Hyderabad., India.

**Other Contributions:** Chairman, A.P State level Expert Appraisal Committee (SEAC) of State Environmental Impact Assessment Authority (SEIAA) of Min. of Environment & Forests, GOI; Chairman, Board of Studies, Environment, JNTU; Executive Council, JNT University, Hyderabad; Member DST Government of India; Member, BOS, Environmental Science and Technology, JNT University Hyderabad.; Member, Board of Studies, Environmental Science and Technology, Gulbarga University, Gulbarga, Karnataka. Technical Member, World Bank funded GIS project-IIIP, Member, Board of Studies, Bangalore University, India Member, Board of Studies, Sri Venkateswara University., Member, Indian Society for Technical Education; Member, Indian Society for Water Resources, Member, Indian Society for Hydrologists, Member, Indian Society for Remote Sensing., Member, Indian Science Congress, Member D S T N R D M S Working Group for major projects namely i) Hyper spectral Signature Database Creation ii) Data Model Development on 1:10000 scale. iii) Science plan for Kolleru Lake Restoration, Member, Technical expert committee, Women Scientist Scheme DST, Member, National committee on Restoration of Village Ponds and Management NRDMS DST Government of India.

**Awards & honors:** Life member of ISTE, IE India, CSI, Life Fellow Member of IETE, Working Chairman SWECHA, All India treasurer FSML.

	<p><b>Name:</b> Dr. Anthony Addlagatta</p> <p><b>Born:</b> 01-06-1971</p> <p><b>FTAS:</b> TAS-2017</p> <p><b>Address:</b> Center for Chemical Biology, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007</p> <p><b>E-mail:</b> anthony@iict.res.in, anthonyaddlagatta@gmail.com</p> <p><b>Mobile:</b> 91-9493402208</p> <p><b>Web:</b> <a href="https://sites.google.com/site/chembioliict/home/dr-anthony-addlagatta-1">https://sites.google.com/site/chembioliict/home/dr-anthony-addlagatta-1</a></p>
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Dr. Anthony Addlagatta has obtained his bachelor's degree with specialization in industrial chemistry from Osmania University, masters and the PhD degrees in Chemistry from the School of Chemistry, University of Hyderabad. He has worked as a Senior Scientist at the Department of Energy, Pacific Northwest National Laboratory, USA before joining CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad.


As a postdoctoral fellow, he has pursued his research in the area of protein crystallography in Polish Academy of Sciences, Poland, Hauptman-Woodward Medical Research Institute, Buffalo, New York and Howard Hughes Medical Institute, University of Oregon, Eugene, Oregon, USA. His work was focused on structural biology of drug targets and structure based drug discovery.

He was awarded with Mianowski International Fellowship from the Polish Academy of Sciences, Poland, Ramanujan Fellowship by the Department of Science and Technology, New Delhi and CDRI award for excellence in Drug Discovery. He has published over 70 research articles, a patent and a book chapter. He has delivered more than 70 invited lectures, both national and international. DBT, DST and CSIR have very well supported his research group. Six students were awarded PhD under his guidance and six more in training.

His research interest is to understand the chemical principles in biological functions and, apply it to human health and biotechnology. His technical expertise includes chemistry, biochemistry, protein engineering, molecular, structural, cellular and computational biology, bioinformatics, structure based drug discovery and biotechnology.

He has teaching interests in protein crystallography, bioinformatics, structure based drug discovery and medicinal chemistry. He also serves as a Lead Inspector on behalf of the Government of India for companies that practice Good Laboratory Practice.




	<p><b>Name:</b> Prof. Aparna Dutta Gupta,  <b>Born:</b> 11-05-1953  <b>FTAS:</b> TAS/2006  <b>Address:</b> Department of Animal Sciences, School of Life Sciences, University of Hyderabad Prof. C.R.Rao Road, Gachibowli, Hyderabad, 046,  <b>Mobile:</b> 9391074729  <b>Email:</b> <a href="mailto:apdgsl@uohyd.ernet.in">apdgsl@uohyd.ernet.in</a> (or) <a href="mailto:aparnadutttagupta@gmail.com">aparnadutttagupta@gmail.com</a></p>
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**Academic and Research Achievements:** We carry out research in field of insect physiology, focusing pests, bearing a significant impact on their control. Our novel contribution includes that insect fat body expresses hexamerin genes and the expressed proteins are sequestered by various tissues including male accessory-glands and play role in reproduction. We have recently shown the presence of an aminopeptidase (Cry toxin receptor) in the visceral tissues like fat body, salivary gland and Malpighian tubules of lepidopteran larvae, which is a GPI-anchored protein. Hitherto, such receptors have only been reported from larval midgut, suggesting that the visceral organs could be exploited as alternate targets for Cry(*Bt*) toxin based insect pest management using a suitable delivery protocol. Significance of cocoon formation in lepidopteran pests is another aspect that could be used as an alternate strategy for pest control. Our recent work on silk genes, their hormonal regulation and identification of novel regulatory elements opens up a new avenue in this direction. We have identified several novel genes and their corresponding proteins, which could be exploited either for delivering or targeting molecules and/or growth regulators, which disrupt insect development, as the function of these genes/proteins is already validated, they could also be used to develop high throughput screening assays.

**Other Contributions:** Chaitanya R.K., Sridevi P, Senthilkumaran B, Dutta-Gupta, A. (2012) Effect of juvenile hormone analog, methoprene on H-fibroin regulation during the last instar larval development of *Corcyra cephalonica*. Gen. Comp. Endocrinol., doi10.106/j.ygcem.2012.08.014.; Parikipandla Sridevi, R. K. Chaitanya, Aparna Dutta-Gupta, Balasubramanian Senthilkumaran (2012) FTZ-F1 and FOXL2 up-regulate catfish brain aromatase gene transcription by specific binding to the promoter motifs. Biochim. Biophys. Acta, 1819, 57-66.; Parikipandla Sridevi, Aparna Dutta-Gupta, Balasubramanian Senthilkumaran (2011) Molecular cloning and expression analysis of fushi tarazu factor 1 in brain of airbreathing catfish, *Clarias gariepinus*. PLoS One 6(12):e28867. Madhusudhan Budatha, Thuierei Jacob Ningshen and Aparna Dutta-Gupta(2011) Is hexamerin receptor a GPI anchored protein in *Achaea janata*(Lepidoptera: Noctuidae)? J. Biosciences, 36, 545-553.; Chaitanya RK, Sridevi P, Senthilkumaran B, Dutta-Gupta A. (2011) 20-Hydroxyecdysone regulation of H-fibroin gene in the stored grain pest, *Corcyra cephalonica*, during the last instar larval development. Steroids, 76, 125-134.

**Awards and Honors:** INSA-JSPS Bilateral Exchange Fellow, Miyazaki University, Japan (2012).; INSA-DFG International Exchange Fellow, Hamburg University, Germany (2008).; DST-DAAD Exchange Fellow, University of Wuerzburg, Germany (1999 – 2003).; INSA Exchange Fellowship, Czech Academy of Sciences, Czech Republic (2000). Indo-German Exchange Programme Fellow, Univ. Tübingen, Germany (1991). Fulbright Scholar & Visiting Scientist, Department of Biology, Marquette University, Milwaukee, USA (1984 – 1985). Coordinator, Centre for Biotechnology (2003- 2006). Served as Head, Department of Animal Sciences (2003-2007).


	<p><b>Name:</b> Prof. Apparao B.V</p> <p><b>DOB:</b> 02-01-1951</p> <p><b>FTSA:</b> TSA-2016</p> <p><b>Address:</b> Professor of Chemistry(Retd.), Research Fellow(Emeritus), NIT Warangal, 506004</p> <p><b>Mobile:</b> 9866575276</p> <p><b>E-mail:</b> <a href="mailto:bva.nitw@gmail.com">bva.nitw@gmail.com</a>, bva@nitw.ac.in</p>
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MSc-Chemistry (B.H.U) in 1972, PhD-Chemistry (B.H.U) in 1977: doctoral work on Electrical Double Layers at Mercury/Solution Interface. Postdoctoral training at the Central Electrochemical Research Institute, Karaikudi in the field of Maintenance Free Lead-Acid Batteries. After serving Siddhartha Engineering College, Vijayawada and Gandhigram Rural University, Tamilnadu, Joined as Professor of Chemistry at the National Institute of Technology Warangal in July 1995. Superannuated as Professor of Chemistry at NIT Warangal in January 2016 and presently working as Research Fellow (Emeritus) at NIT Warangal.

**Academic and Research Achievements:** His research areas include corrosion inhibitors, self- assembled nanofilms, hot corrosion behavior of super alloys and environmental chemistry and development of methods for removal of water pollutants. His research studies contributed to understand the role of synergism in enhancing the inhibition efficiency of inhibitors. His group developed several synergistic formulations to combat corrosion of carbon steel in the cooling water systems. His group also developed eco-friendly inhibitor systems for carbon steel in cooling water systems, for cupro nickel alloys in sea water as coolant. His group contributed to the development of self-assembled nanofilms on copper for suitable applications. He completed 8 major research projects in the areas of corrosion and corrosion control and environmental chemistry. He taught several courses related to chemistry, physical chemistry, electroanalytical techniques, instrumental methods of analysis at B.Tech, B.Sc, M.Tech and M.Sc levels.

**Other Contributions:** Published over 120 research papers in peer-reviewed journals and proceedings of conferences and guided 18 PhD students. Actively involved in various scientific programs for inculcating scientific temper and inspiring school and college students. Delivered lectures on modern methods of teaching and learning, guidance, counselling and mentoring to several faculty members in many universities and colleges. He held administrative positions like Dean (Research and Consultancy), Head of the departments of Chemistry, Biotechnology, Central Instrumentation Facility, Centre for Innovation and Incubation and IPR Cell at NIT Warangal and contributed to the development of those departments.

**Awards and Honors:** Life Fellow of the Society for Advancement of Electrochemical Science and Technology and Fellow of the Telangana Academy of Sciences. He is a recipient of the Mascot Award for the year 1982 for the best paper(single author) published in the Electrochemical Society of India, and Corrosion Awareness Award by National Association of Corrosion Engineers- International( India section) for the year 2003, Best teacher award among all the faculty of NIT Warangal for the year 2014, by NIT Warangal and Alumini Association of NIT Warangal.

	<p><b>Name:</b> Prof. Appa Rao P.</p> <p><b>DOB:</b> 03-03-1960</p> <p><b>FTSA:</b> TSA-2005</p> <p><b>Address:</b> Vice-Chancellor, University of Hyderabad, Professor, Dept. of Plant Sciences, School of Life Sciences University of Hyderabad,, Hyderabad – 500 046</p> <p><b>Mobile:</b> 9100655777</p> <p><b>E-mail:</b> <a href="mailto:podilerao@gmail.com">podilerao@gmail.com</a></p>
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M.Sc. and Ph.D. in Botany from Sardar Patel University, Vallabh Vidyanagar, Gujarat . He joined the University of Hyderabad as Lecturer in 1989 and got elevated as Professor in 2004. He was a post doctoral fellow at Institute of Botany in 1998 and was a visiting scientist at Institute of Molecular Biology in 2000 in Academia Sinica, Taipei, Taiwan. Visiting scientist at Institute of Plant Biochemistry and Biotechnology at University of Munster during 2006.

**Academic and Research Achievements:** His interest in Plant-Microbe Interactions and Microbial Biotechnology for agriculture. Appa Rao's group has made pioneering contributions on the use of bacteria for biological control of fungal diseases of plants. Several plant growth promoting rhizobacterial strains were isolated, characterized and formulations were developed. to cloning, characterize and find applications for bacterial chitinases. A library of more than 30 chitinases and chitin binding proteins was created and most of these proteins were characterized. His group has identified, characterized and patented a transglycosylation process mediated by a hyper-transglycosylating chitinase from *Serratia proteamaculans*. Another major contribution from Appa Rao's lab has been the study of non-host resistance in plants. Identified several important proteins associated with the extracellular matrix which play improve non-host resistance.

**Other Contributions:** Involved in Institutional Biosafety Committees, board of studies in Microbiology/Biotechnology, UGC-SAP advisory committees, research advisory committees, etc., Member of DBT task force on Biofertilizers and Biopesticides Central council member of Association of Microbiologists of India and Advisory Board Member of Indian National Academy of Microbiology.

**Awards and Honors:** JC Bose Fellow(2018), KC Mehta Memorial Award; Tata Innovation Fellowship DBT(2015); Platinum Jubilee Lecture of Indian Science Congress Association, (2016); Prof. G. Rangasami Award, (AMI-2013); Outstanding Plant Pathologist ISMP(2005); Rajib Goyal Young Scientist Award in Agriculture, 1998; Life Time Achievement Award in Biotechnology by Association of Biotechnology and Pharmacy, (2012). Fellow of 3 national Academies and Fellow of National Academy of Agricultural Sciences, New Delhi; Association of Microbiologists of India; Association of Biotechnology and Pharmacy; Indian Phytopathological Society, New Delhi.


	<p><b>Name:</b> Dr. Archana Giri</p> <p><b>Born:</b> 02-02-1966</p> <p><b>FTAS:</b> TAS/2019</p> <p><b>Address:</b> Centre for Biotechnology, Institute of Science &amp; technology, JNT University, Hyderabad- 500085</p> <p><b>E-Mail:</b> <a href="mailto:archanagiriin@jntuh.ac.in">archanagiriin@jntuh.ac.in</a>, <a href="mailto:archanagiriin@yahoo.co.in">archanagiriin@yahoo.co.in</a>,</p> <p><b>Mobile:</b> 09849028367</p>
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M.Sc. (Botany) from Kumaun University Nainital. Ph. D. CSIR –Central Institute of Medicinal and Aromatic Plants (CIMAP) Lucknow. Research Associateship by CSIR, DST Young Scientist, CSIR-Pool-Scientist, CSIR, New, Assistant Professor, (2006-2014) ,Associate Professor, CBT, IST JNTU Hyderabad (2015- 2018), Professor (2018- to date) at Centre for Biotechnology, Jawaharlal Nehru Technological University, Hyderabad.

**Academic and Research Achievements:** Dr. Archana Giri obtained her PhD in the area of Medicinal Plant Biotechnology from CSIR-CIMAP, Lucknow, India in 1995. She is working as Professor at Centre for Biotechnology, JNT University, Hyderabad, India. Her research areas include *in vitro* production of bioactive compounds from medicinal plants using biotechnological and molecular approaches. She got training in functional genomics of secondary metabolites at Plant Biotechnology Institute (PBI), Saskatoon, Saskatchewan, Canada. She also underwent training in metabolic engineering at Technical Universitat, Dortmund, Germany.

Prof. Archana's research program is focused on development and integration of plant biotechnological approaches for *in vitro* production of secondary metabolites of pharmaceutical value, cloning and over expression of genes of secondary metabolic pathways. Her other research interests include production of high value recombinant proteins in plant cell cultures and screening of antimicrobial, antioxidant and anticancer activities of bioactive compounds from medicinal plants. She is currently working on transcriptome analysis of medicinal plants to study the biosynthetic pathways and differential expression of genes. Guided 13 Ph. D. students and more than 100 M.Sc. and M. Tech students. Published more than 115 peer reviewed articles in national and international journals.

**Awards and Honors:** Recipient of Meritorious teacher award from Govt. of Telangana 2019. Member Board of Studies for Harare Institute of Technology, Zimbabwe, Board of Studies chairperson for Biotechnology JNTUH, DBT Nominee for Institutional Biosafety Committee (IBSC) for Indian Immunologicals and Member IBSC for NATCO Pharma and Gland Pharma, Hyderabad.

	<p> <b>Name:</b> Dr. Arun K Pujari  <b>Born:</b> 10-03-1954  <b>FTAS:</b> TAS/2010  <b>Address :</b> Dean, School of Computer &amp; Information Sciences, University of Hyderabad, Hyderabad, 500046, India  <b>Mobile:</b> 919492856975, +918978235175  <b>E-Mail:</b> <a href="mailto:akpcs@uohyd.ernet.in">akpcs@uohyd.ernet.in</a>, <a href="mailto:inarunkpujari@uohyd.ac.in">inarunkpujari@uohyd.ac.in</a> </p>
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Ph. D IIT/Kanpur. Professor of Computer Science at University of Hyderabad. Prior to joining University of Hyderabad, he worked with JNU, New Delhi and with Survey of India, Dehradun. He has been on visiting assignments to University of Tokyo, Japan; University of Memphis, USA; International Institute of Software technology, Macau; University of Paris-Sud, France; University of Griffith, Australia.


#### **Academic and Research Achievements:**

He worked on Artificial Intelligence, Machine Learning, Data Mining and Data Analytics. supervised 20 PhD students, and authored more than 100 research papers. His significant contributions are - 1. Proposing shape recovery from multiple silhouettes by changing direction of views. 2. A new framework of temporal reasoning by blending Interval information with duration information, termed as INDU, 3. Proposing for first time variable n-gram method for virus detection. 4. Providing an efficient method for computing skyline probability, 5. Providing recognition of printed scripts in Indian Languages.

#### **Other Contributions:**

His book on Data Mining Techniques is one of the popular books in most of the universities in India. He was Vice Chancellor, Sambalpur University and currently Dean School of Computer & Information Sciences, University of Hyderabad.




	<b>Name:</b> Dr. Arun Agarwal <b>Born</b> 22-05-1957 <b>FTAS:</b> TAS/2011 <b>Address:</b> Professor, School of Computer & Information Sciences, University of Hyderabad, Hyderabad- 500 046. <b>Mobile:</b> 984928356 <b>E-mail:</b> <a href="mailto:aruncs@uohyd.ernet.in">aruncs@uohyd.ernet.in</a>
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B. Tech (Electrical Engineering, IIT, Delhi.1979) and PhD (Computer Science, IIT, Delhi. 1989) Senior Research Assistant in IIT Delhi (in 1979) and joined University of Hyderabad (1984) and then , where at present he is a Professor of School of Computer and Information Sciences (since 1998). Professor Agarwal was a Visiting Scientist at The Robotics Institute, Carnegie-Mellon University, USA (1986) and Research Associate at Sloan School of Management, Massachusetts Institute of Technology, USA (1993). He has also visited, Monash and Melbourne University in Australia (2003); National Center for High Performance Computing, Hsinchu, Taiwan (2003); Chinese Academy of Sciences, Beijing, China (2004); San Diego Supercomputing Centre USA (2007, 2009, 2010); Bio-Informatics Institute in Singapore (2005); Mahasarakham University and NECTEC, Thailand (2009, 2010, 2013); NCSA, University of Illinois, Urbana-Champaign, USA (2007); USM, Penang, Malaysia (2008); KISTI, South Korea (2009, 2012); IOIT, VAST, Hanoi, Vietnam (2009) etc.

**Academic and Research Achievements:** He has made significant contribution to the domain of Forensic Document Analysis, which has become an important area of research in the country. Contribution has been made in areas such as: Identification of a document as forgery; Identification of typewriters check, writers, photocopies; Detection of alterations, additions, deletions.; Printer Identification of the document; He also made a significant contribution towards Bank Check Processing System: He has developed innovative solutions in performance modeling, scheduling and reservation methods and grid middleware framework for executions of large-scale high performance parallel scientific applications on computational grids. The success of Industry-Academic collaborative endeavor with Altair Engineering, Bangalore, in integration of HPC profile with PBS and also on certain aspects of Grid Portals was first of its kind in Asia Pacific region. It was showcased and appreciated during Super Computing Conference 2007, a mega event held in Nevada, USA. His contributions in realizing Geosciences Cyberinfrastructure is also very important.

**Other Contributions:** He has served on the technical program committee of numerous conferences in the area of Pattern Recognition and Artificial Intelligence. He is also on the Steering Committee of PRAGMA. He is a member of GARUDA project, a Indian national initiative on Grid Computing.

**Awards and Honours:** He is a Fellow of Andhra Pradesh Akademi of Sciences, Fellow of IETE, Senior Member of IEEE, USA; He was Chairman of IEEE Hyderabad Section for the years 2001 and 2002. He also received the IEEE Region 10 Outstanding Volunteer Award in 2009.

	<b>Name:</b> Prof. ASHOK D. <b>Born:</b> 26-4-1959 <b>FTAS:</b> TAS/2016 <b>Address:</b> Department Of Chemistry, Osmania College of Science, Osmania University, Hyderabad-500 007 <b>E-mail:</b> <a href="mailto:ashokdou@gmail.com">ashokdou@gmail.com</a> , <b>Mobile:</b> 09391024769
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**Academic and Research Achievements:** On completion of his PhD from Osmania University with thesis titled “Chemical investigation of plant insecticides and synthesis of some related compounds”, Prof. D. Ashok has 32 years of post graduate teaching and 35 years of research experiences. His main research interests are Green Chemistry, Medicinal Chemistry and Synthetic Organic Chemistry involving named reactions like Suzuki cross coupling reaction, Vilsmeier Haack reaction, ring closing metathesis, reactions using nano catalysts etc. Under his guidance 21 students pursued their Doctoral degree. He is leading a team of over 10 students for Ph.D. and 3 PDF program. He has published over 170 research papers in reputed national and international journals.

**Conferences:** He has delivered invited lectures in National and International conferences viz. Gordon Research Conference on Heterocyclic Chemistry, New Port, RI, USA; 24<sup>th</sup> International Congress for Heterocyclic Chemistry, Shanghai, China; 23<sup>rd</sup> International Congress for Heterocyclic Chemistry, Glasgow, UK; 237<sup>th</sup> National Meeting and Exposition of American Chemical Society, Salt Lake City, USA; 21<sup>st</sup> International Congress for Heterocyclic Chemistry, University of New South Wales, Sydney, Australia; 1<sup>st</sup> International IUPAC Conference on Green-Sustainable Chemistry, Dresden, Germany. He has organized three National Conferences and one International conference in Osmania University.

He is reviewer for reputed national and international journals such as Green Chemistry Letters and Reviews, Synthetic Communications, Medicinal chemistry research, Current Medicinal Chemistry, RSC Advances etc.

**Research projects:** His research activities are supported by the funding agencies like CSIR, UGC and DST. He has completed four UGC research projects and one DST project and an ongoing DST- PURSE projects.

**Awards:** **Mother Theresa Award** – Health Care International USA-INDIA-2009. **Best paper presentation award** – First AP Science Congress – 2008. **National Integration Award** - Health Care International USA-INDIA-2007. **Best Oral Presentation Award** – National Conference on CRTDHC – 2006. **Merit Award Rs 5000/- cash Award** from Government of Andhra Pradesh – 1983. He has trained several young students in the art of organic synthesis and in-turn working at prestigious R&D labs in India and Abroad. He served as Registrar, Telangana University Nizamabad, as Director, Directorate of Admissions Osmania University, as Director, Research Development and Consultancy Cell Osmania University. He is Vice-President of Indian Council of Chemists, Fellow of Telangana Academy of Science and currently as BSR-fellow.



Name: **Dr. ASHOK KUMAR SINGH**  
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Email: [aksingh235@gmail.com](mailto:aksingh235@gmail.com),


**Fields of Specialization:** Physical Metallurgy and Materials Science

Texture –Microstructure-Processing Correlation. Intermetallic Compounds. Phase Transformations in Titanium Alloys, Aluminides and Ti-Based Biomaterials. Nanomaterials: Synthesis and Characterization. X-Ray Diffraction, Small Angle X-ray Scattering and Transmission Electron Microscopy. Failure Analysis and Materials Investigation

**Alexander von Humboldt Research Fellowship** 1998 (Jan 1999 - April 2000). Bilateral Exchange Programme Fellowship of Indian National Science Academy, New Delhi and Deutsche Forschungsgemeinschaft, Bonn, 1996 (August - November 1996). Alexander von Humboldt Research Fellowship 2004 (June 16 to September 15, 2004).

**Publications: Books. 2. Patent (s) : 1. Research Papers: 210. Review Articles: 11, Technical Papers published. 199 . Technical Reports: 10. Failure Analysis Reports: 46. Conference Presentations: 100.**

**Awards/ Honours: INSA, Medal for Young Scientists 1994. DRDO, Technology Group Award (2008)** as a member of team for the development of  $\text{Sm}_2\text{Co}_{17}$  Magnets for critical applications. **DRDO, National Science Day Medal for the year 2010. MRSI, Medal for the year 2010. Distinguished Alumnus Award – 2013**, Department of Metallurgical Engineering, IIT (BHU), Varanasi. Elected **Fellow of the Academy of Sciences**, Chennai, 2014. Elected **Fellow of Telangana Academy of Sciences**, Hyderabad, 2015.


	<p> <b>Name :</b> Prof. Ashwini, Nangia  <b>Born:</b> 10-11-1960  <b>FTSA :</b> TAS-2011  <b>Address:</b> School of Chemistry, University of Hyderabad, Gachibowli,  Hyderabad – 500 046  <b>Mobile :</b> 9848155416  <b>E-mail :</b> <a href="mailto:ashwini.nangia@gmail.com">ashwini.nangia@gmail.com</a> </p>
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MSc IIT Kanpur(1983) Ph. D Yale University (1988). started career at University of Hyderabad as a Lecturer (1989) and was promoted to Professor (2002). He has been a visiting faculty at the University of Manchester, Cambridge and Durham.

**Academic and Research Achievements:** His research group focuses on crystal engineering topics – structure design, inclusion compounds, polymorphism, cocrystals, and the applications of these ideas in pharmaceutical sciences for drug translation. He is author of about 220 research publications and 20 patents. His group is interested in the design of novel solid state forms of pharmaceutical with improved physicochemical and pharmacodynamic properties such as dissolution rate, bioavailability, longer half-life, and better adsorption profile. In the last few years his contribution include a stable cocrystal of the anticancer drug Temozolomide, a control in the biotransformation of Andrographolide and a highly soluble amorphous complex of Curcumin. He has international research collaborations with Russia, Singapore, UK and USA.

**Other Contributions:** He is Founder of R&D venture Crystalin Research in Technology Business Incubator on UOH campus.

**Awards and Honors:** He is a Fellow of three premier National Science Academies – INSA New Delhi, IASc Bangalore and NASI, Allahabad. He is a recipient of the prestigious JC Bose Fellowship of DST. He is on the Editorial Boards of chemistry, crystallography and pharmaceutical journals, Crystal Growth & Design (ACS), CrystEngComm (RSC), Journal of Pharmaceutical Sciences (Wiley), Chemistry – An Asian Journal (Wiley-VCH).


	Name : <b>Dr. Avinash Chander</b> Born : 06-11-1950 FTSA : TAS/2010 Address : 95, Palm Meadows, Kompally, Hyderabad E-Mail : <a href="mailto:chander_avinash1950@yahoo.com">chander_avinash1950@yahoo.com</a> Mobile : 9440187540
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#### **Academic & Research achievements:**

B. Tech, electrical engg, IIT, Delhi; MS Research, JNTU, Hyderabad; PhD, Spatial Information Technology, JNTU, Hyderabad; former Secretary Defence R&D, Scientific Advisor to Raksha Mantri & DG, DRDO, Current status: President, Sensor Research Society of India; Vice President, Astronautical Society of India; Scientific achievements: design & development of long range Agni missiles, pioneering work in Inertial navigation, Guidance, Simulation, Terminal Guidance, Mission Planning.

#### **Awards & Honours:**

Padma Shree, 2013 for science & engineering; Prof Jaikishan Memorial award, INAE; Arya Bhatta award, Astronautical Society of India; Biren Roy award for space sciences, Aeronautical Society of India; Lokmanya Tilak award, technology Leadership award, DRDO; Path breaking Research award, DRDO; Agni Excellence award, DRDO; Scientist of the Year award DRDO; Distinguished Alumnus, IIT, Delhi; Award for Outstanding Contribution towards National Devt, IIT, Delhi Alumni; Association; Outstanding Technologist Award, Punjab Technical University; Honorary Fellow, IETE; Fellow, Indian National Academy of Engineering Fellow, Telangana State Academy of Sciences; Fellow, Institution of Engineers; Fellow, System Society of INDIA; Special Honour, Indian Science Congress; Honor is Causa : Sastra University, TamilNadu; JNTU, Ananthpur; SRM, TamilNadu; Jadhavpur University; Gitam University; Veltech University, TamilNadu; SoA university Odisha; Chaired several national and international seminars/conferences.

	<p><b>Name:</b> Dr. BABU E.V.S.S.K.</p> <p><b>Born:</b> 14-06-1968</p> <p><b>FTAS:</b> TAS / 2018</p> <p><b>Address:</b> Geochronology and Isotope Studies Group, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad – 500007</p> <p><b>E-mail:</b> <a href="mailto:evsskbabu@gmail.com">evsskbabu@gmail.com</a></p> <p><b>Mobile:</b> 91-944153585</p>
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M.Sc. (Geology), Osmania University, 1988 (1<sup>st</sup> Rank - Dr. YGK. Murthy Gold Medal). Ph.D. (Earth Sciences), Trinity College and the Dept. of Earth Sciences, University of Cambridge, U.K. (1996) supervised by Prof. T.J.B. Holland, FRS and Prof. D.M. Pyle. Worked as Reader, School of Earth Sciences, SRTM University, Maharashtra (1996-97). Scientific Officer-D at the AMD-DAE, GoI (1997-2002). Joined CSIR-National Geophysical Research Institute, Hyderabad in 2002 as Scientist-EI. BOYSCAST Fellow, Macquarie University, Australia, 2004-05, Honorary Associate of Macquarie University (2004-2011), Visiting Fellow, Australian National University, Canberra (2012). Currently holding position of Sr. Principal Scientist and I/C, Geochronology and Isotope Studies Group, CSIR-NGRI and Professor, Physical Sciences, AcSIR.

**Academic and Research Achievements:** Guided 2 Ph. D. and 1 M. Tech dissertation. Research interests include thermodynamic modeling of silicates, silicate melts, understanding mantle petrology through mafic-ultramafic xenoliths and xenocrysts including diamonds entrained in kimberlites. Interests in tackling geodynamic problems through geochemistry and isotope geochemistry. Vast experience in in-situ trace elemental and isotope analysis using Electron Probe Micro Analysis (EPMA) and Laser Ablation-Inductively Coupled Plasma Mass Spectrometry (LA-ICPMS and LA-MC-ICPMS). Worked on globally relevant and scientifically varied research topics including ‘Initiation and intensification of summer monsoon in the Indian context’, micrometeorite fluxes, tektites, Martian meteorites, stability of superalloys, laser welded steels, human dentine samples etc. Developed several analytical protocols for in-situ U-Pb-Hf isotope analysis and trace elemental analysis from a wide range of materials including glasses, ceramics, minerals, metals and oxides. Instrumental in establishing technologically challenging and capital-intensive laboratories at the CSIR-NGRI. Published over 52 papers in national and international journals and presented in over 80 national and international conferences.

**Other Contributions:** Steering Committee Member, National Center for Mineral Targeting (NCMT), MoM, GoI. Associate Editor, Journal of the Geological Society of India. Member, PAMC, IRHPA, SERB-DST and Former Member, RAC, ESSO-National Centre for Earth Science Studies (NCESS), MoES, GoI. Executive Committee Member, Indian Institute of Mineral Engineers.

**Awards and Honors:** Recipient of YGK Murthy Gold Medal from Osmania University, Merit Certificate from the DG, CSIR for being among the top 10 at the National Level in CSIR-JRF exam. Received a special Cambridge Commonwealth-Trinity College Scholarship and Awards from Council of Vice-Chancellors and Principals to study at Cambridge. Elected fellow of Cambridge Commonwealth Society, Geological Society of India, Mineralogical Society of India, Indian Nuclear Society and Indian Institute of Mineral Engineers.





**Name:** Prof. G. Bagyanarayana  
**Born:** 07-08-1953  
**Elected:** TAS/2009  
**Address:** Vice-Chancellor, Palamuru University, Mahabubnagar.509 001.  
**E-mail:** [gbagyan@rediffmail.com](mailto:gbagyan@rediffmail.com)  
**Mobile:** 9849243267

M. Sc and Ph.D. degrees in Botany (OU) joined (OU) lecturer (1983) Professor (1997) . Chairman, Board of Studies in Botany (2005-06 & 2008-09). Head, Department of Botany (2006-08). Coordinator of UGC Special Assistance Programme Botany (2004-12). Vice- Chancellor of Palamuru University, Mahabubnagar (2012).He has deep commitment for the promotion of science and pursuit of excellence in higher education.

**Academic & Research Achievements:** His area of Specialization is Mycology & Plant Pathology. He has guided 13 students for Ph.D. 5 more students are working for their Ph.D. He authored/edited 11 books on the subject of Botany and published over 106 research papers in peer- reviewed journals. He undertook 7 major research projects funded by UGC and other national agencies. He reviewed research articles for reputed journals include African Journal of Microbiology, Malaysian Journal of Botany, Current Science, Proceedings of National Academy of Sciences, India, Indian Phytopathology, Indian Journal of Mycology and Plant Pathology and Journal of Indian Botanical Society. He served on the editorial board of Indian Phytopathology, Indian Journal of Microbial Ecology, Indian Journal of Mycology and Plant Pathology, Kavaka (Mycological Society of India) and Acta Botanica Indica. He successfully organized two international conferences which includes the 2nd Asian Congress of Mycology & Plant Pathology held in 2007, 6 national conferences and 3 national workshops. His research pursuits and contributions to advancement of knowledge include description of 4 new genera, 108 new Fungal Taxa as well as recording of more than 100 new additions to Mycoflora of India (South India).

**Other contributions:** He is a life member of prestigious professional bodies in the field of Botany including, British Mycological Society, British Society of Plant Pathology, Indian Science Congress Association, National Academy of Sciences, Indian Phytopathological Society, Indian Botanical Society, Society for Mycology & Plant Pathology, and Indian Mycological Society. He served as the president of Indian Mycological Society, in the year 2012, Vice President, Indian Society of Mycology and Plant Pathology, during 2008-2009. President, Environmental Sciences Section of Indian Science Congress in 2010. and President, Indian Phytopathological Society, Central Zone, (1999 & 2004).

**Awards & Honors:** National and international recognition for his outstanding contributions and achievements in the field of plant sciences. Indian Phyto pathological Society conferred upon him **Prof. M. J. Narasimhan Award & Gold Medal** for the year 1999 and **Prof. B. B. Mundkur Memorial Award** for the year 2006 respectively. He was also conferred with **Dr. Shome Memorial Award** for the year 2005 by Indian Mycological Society and **Prof. Kajale Memorial Award** for the year 2009 by Indian Botanical Society. He won **Merit of Excellence Award** of ICMPHP Columbo (2011) and **Lifetime Achievement Award** of 33rd World Environment Congress in 2013. Fellow of the **Indian Phytopathological Society** and **Indian Botanical Society**. member of Canada based **International Commission on Taxonomy of Fungi** 2006-10, 2010-14, and 2014-18). visited many countries to take part in international conferences.




**Name :** Dr. Balakrishna, Palanki  
**Born :** 12-01-1947  
**FTSA :** TSA-/2005  
**Address :** 17-1-391/44, Subramanya Nagar, Saidabad Post,  
Hyderabad - 500 059  
**E-mail :** [palankibalakrishna@yahoo.com](mailto:palankibalakrishna@yahoo.com)  
**Mobile :** 9441437850

**Academic and Research Achievements:** B.Tech (Honours), Metallurgical Engg., (IIT, 1969); M.Tech, (IIT, 1971); Ph.D (IIT,1994); Scientific Officer (H) Retired, Nuclear Fuel Complex, Hyderabad 500062; Principal of a private engineering college in Hyderabad.; Papers published peer Reviewed.

**Other Contributions:** At BARC, he implemented copper cladding of thorium metal tubes by electroplating in place of mechanical cladding. He standardized compaction and sintering parameters for (U,Gd)O<sub>2</sub> pellets, at NFC for the first time. And erected, commissioning and operation of the Pelletizing Plant for (U,Gd)O<sub>2</sub>. Replacement of hammer mill by attritor, resulting in higher compactability of powders and higher yields of sintered pellets with the additional advantage of better containment of radioactive dust. He found that low temperature precipitation of ammonium diuranate yielded superior precursors from which high yield UO<sub>2</sub> powders could be made. He introduced the use of admixed binder for the first time in his Plant, which was later followed by other Plants. He developed a low temperature sintering process for thorium oxide and was responsible for erection, commissioning and operation of the Pelletizing Plant for thorium oxide. He developed a process for the fabrication of thoria-yttria crucibles and made and supplied 70 numbers to Germany. He developed a process and established an in-house facility for the hard chromium plating on stainless steel when no commercial electroplater could meet the stringent specifications for sheaths for the Fast Breeder Test Reactor Assemblies. He suggested and implemented niobium powder as additive to zirconium before arc melting in place of niobium sheet, which was in use for several years. This resulted in cost reduction as the operations of forging, rolling and annealing could be replaced by the more economical and faster hydride/ dehydride process. Using molybdenum scrap from broken heating elements as the raw material, he developed processes for high purity (99.99%) molybdenum chemicals such as molybdenum oxide, ammonium molybdate and molybdenum metal powder. He standardized the process for fully stabilized high-density zirconia shapes with homogeneous microstructure. He developed process for the reduction in fluoride levels in wash water of pickled zircaloy components. He developed a process for the recovery of uranium from sludge water.


#### **Awards and Honours:**

“Best Metallurgist Award (1995)” “Engineer Award of the Year (1992)” “Meritorious performance Award as Manager, (1996)” Chaired a technical session at the International Conference, ‘Sintering 87’, Tokyo, Japan technical session at the International Atomic Energy Agency Technical Committee Meeting on ‘The Behavior of Light Water Reactor Core Materials under Loss of Coolant Accident Conditions’, Dimitrovgrad, Russia, (1995); ‘Best Lecturer’ in Vietnamese Nuclear Scientists’ Training Programme Best teacher in foundation course’ at BARC Editor, Transactions of the Powder Metallurgy Association of India, Powder Metallurgy Science and Technology.; Member, Sectional Committees on (i) Nuclear Materials (ii) Powder Metallurgy, Bureau of Indian Standards, New Delhi

	<p> <b>Name:</b> <b>Dr. Balakrishnan Nair T.M.</b>  <b>Born:</b> 29-05-1971  <b>FTAS:</b> TAS/2015  <b>Address:</b> Krishna Krupa, Villa No. 26, Land Mark II, Oakridge School Road, Bowrampet, Bachupally Hyderabad  <b>Mob:</b> 9440682294  <b>Email:</b> <a href="mailto:bala@incois.gov.in">bala@incois.gov.in</a> </p>
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M. Sc Cochin University of Science & Technology,(1994) Marine Geology, Oceanography, Statistics, Computer programming, Ph. D (Marine Geology) National institute of Oceanography/Mangalore University, Biogeochemistry, (2001). Scientist F and the Head of Ocean Science and Information Services at Indian National Center for Ocean Information Services (INCOIS), Government of India Hyderabad, India. He completed his Master degree in science (Marine Geology) from Cochin University of Science and Technology, Kerala (2004) with second rank and Ph D in Marine sciences from National Institute of Oceanography/Mangalore University (2001).He is instrumental in setting up of an Ocean State forecast system and Information System for India and neighboring countries. He more than 70 papers in reputed national and international SCI journals.

He received CSIR-NET fellowship from Government of India in 2004 and DAAD fellowship from Government of Germany in 1999. He Received the young scientist award from Indian association of Sedimentologists in 2001. He has also received Certificate of Merit for outstanding performance from the Ministry of Earth Science, Govt. of India in 2007 for developing Ocean forecast system for India and Best Government website award from Ministry of Information and Communication Technology, Govt of India in 2009 for contributing in the development of INCOIS ocean portal.. Recently he has received the National Geoscience Award 2014 from His Excellency, The President of India for Setting up of Ocean forecast and warning System for India. He is elected as a fellow of Telangana Academy of Sciences.


	<p><b>Name:</b> Dr. Balaram V.</p> <p><b>Born:</b> 01-06-1951</p> <p><b>FTAS:</b> TAS/ 2016</p> <p><b>Address:</b> Geochemistry Division, CSIR-National Geophysical Research Institute, Hyderabad-500007</p> <p><b>E-mail:</b> <a href="mailto:balaram1951@yahoo.com">balaram1951@yahoo.com</a></p> <p><b>Mobile:</b> 91-9849803148</p>
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Received M.Sc. (1974) and Ph.D. degrees (1979) in Chemistry from the Andhra University, Visakhapatnam. Former Emeritus Scientist and Chief Scientist & Head, Geochemistry Division, CSIR - National Geophysical Research Institute (NGRI), Hyderabad- 500 007, India. Research areas include trace element geochemistry, marine geochemistry, mineral exploration, spectroscopy and environmental chemistry.

**Academic and Research Achievements:** Guided 5 PhD students, few postdoctoral and hundreds of PG students from different universities across the country. He has over 300 publications in international peer-reviewed journals, with ~ 3600 citations (h-index 32 & i10-index 94), about 20 Book Chapters.

**Other Contributions:** Expert of ICP-mass spectroscopy (quadrupole, magnetic sector & time-of-flight) and their applications in different areas of earth and environmental sciences. Introduced ICP-MS as well as MP-AES to the Indian earth and environmental scientist's community in 1987 and 2013 respectively. He has popularized science by delivering ~ 600 lectures in over 230 academic institutions across India and abroad (> 35 countries in all 6 continents) which include world's premier academic institutes such as Oxford University & Cambridge University, UK; Australian National University, Canberra; University of Pretoria, South Africa; Iowa State University & NIST, US; University of Toronto & University of Windsor, Canada, and University of Campinas, Campinas & Nuclear Energy Research Institute, Sao Paulo, Brazil, during the last over 30 years. He is also Mentor in ~70 DST INSPIRE Science Camps all over India (UP to Tamil Nadu & Gujarat to Odisha).

**Awards and Honors:** Recipient of several prestigious national and international awards such as "**National Geoscience Award**" from Government of India, New Delhi (2000), "**S. Narayanaswamy Award**" from Geological Society of India, Bangalore (2010); "**Eminent Mass Spectrometrists Award**" from Indian Society of Mass Spectrometry (ISMAS), Mumbai (2006); "**Mantripragada Gold Medal**" from Indian Society of Applied Geochemists (ISAG), Hyderabad (2006). "**3 Lifetime Achievement Awards**" for Excellence in Science and Technology from ISAS-Kerala (2015), Bundelkhand University, Jhansi, UP (2016) and ISMAS, BARC, Mumbai (2019). "**Dr. C. V. Raman Memorial Award**" for science popularization and communications from the Science City of Andhra Pradesh, Amaravati (2019), **Honorary Fellow** of Andhra Pradesh Academy of Sciences. He was also the **Leader of Regional Committee, Central Working Group for India for "International Geochemical Mapping Programme" (IGCP 360)** during 1994-97.


	<p>Name: <b>Dr. D. Balasubramanian</b></p> <p>Born: 28-08-1939</p> <p>Elected: TAS/1983</p> <p>Address: Plot No: 40, Lane 2, Sai Enclave, Habsiguda, Hyderabad – 007.</p> <p>Mobile: 9885019922, <b>98850 19922</b></p> <p>E-mail: <a href="mailto:dbala@lvpei.org">dbala@lvpei.org</a>, <a href="mailto:dbala@operamail.com">dbala@operamail.com</a></p>
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BSc (1957) from Presidency College, Madras and MSc (1959) from Birla College, Pilani, and PhD (1965) in Chemistry from Columbia University, New York, USA, working in the area of polypeptide synthesis and conformations, using structural spectroscopy. After 18 months of post-doctoral research at the University of Minnesota Medical School in the area of protein chemistry (particularly the study of hydrophobic interactions), he returned to India in 1967 and joined IIT, Kanpur. In 1977, he moved to the University of Hyderabad and in 1982 to the Centre for Cellular and Molecular Biology (CCMB), where he was Deputy Director and later became Director. He took early retirement from CCMB in 1998 to join the LV Prasad Eye Institute, Hyderabad, as its Director of Research, a position he continues to hold.

**Academic and Research Achievements:** On return to India, Balasubramanian joined the Department of Chemistry, Indian Institute of Technology, Kanpur, where he taught chemistry to undergraduates and spectroscopic methods and frontier topics in biological sciences to postgraduate students. His research work was focused on biophysical chemistry, particularly, on peptides and proteins, and membrane structures. Since 1985, he has focused attention on the biochemistry and cell biology of the eye, particularly, on cataract and glaucoma. He has over 160 publications and has mentored 16 PhD students.

**Other Contributions:** Promoter and activist in the area of the public understanding of science, and writes a regular fortnightly science column in the newspaper *The Hindu*, Member of UNESCO's International Basic Sciences Panel, Member of UNESCO's Bioethics Group, and Chairman of the Indian Department of Biotechnology's (DBT) Task Force on Stem Cell Research. He has been Chief of the Andhra Pradesh Government's Advisory Committee on Biotechnology (1997-2006). He is on the Editorial Board of several international and national professional journals.

**Awards and Honours:** Received the Padma Shri (2002) and l'Ordre de National du Merite from France (2002). He has received the INSA's Indira Gandhi Prize for Popularization of Science and JC Bose Medal (1998), DST's National Prize for Popularization of Science, UNESCO's Kalinga Prize for the Popularization of Science, TWAS Prize in Basic Medical Sciences and Iran's Khwarizmi Prize in Basic Medical Sciences. Recipient of SS Bhatnagar Prize, Goyal Award, Bhasin Award, FICCI Award and Sarma Award of India. Fellow and served as the Editor of INSA Publications (1955-97). Currently, he is the President of the Indian Academy of Sciences, Bangalore (2007-10), Secretary General of the Academy of Sciences for the Developing World (TWAS; 2007-10), President of Society of Biological Chemists India (2007-09).

	<p><b>NAME:</b> Dr. Bhadraiah B.</p> <p><b>Born:</b> 20-07-1954.</p> <p><b>FTAS:</b> TAS / 2010</p> <p><b>Address:</b> Professor of Botany (Retd.) and Professor Emeritus (UGC), Dept. of Botany, Osmania University, Hyderabad-500007</p> <p><b>Mobile No.</b> +919247158507 (R) 040-29804521</p> <p><b>E mail.</b> <a href="mailto:bhadra1954@gmail.com">bhadra1954@gmail.com</a></p>
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M.Sc. Botany with specialization in Applied Mycology and Molecular Plant Pathology, Osmania University -1976. Ph.D. in Botany, Osmania University, Hyderabad 1981 on "Studies on seed-borne fungi of sorghum with special reference to Aflatoxins". Joined in Osmania University in 1984 as an Assistant Professor and since 1998 a full pledged Professor in Botany, Osmania University and retired as Professor of Botany in 2014. Later, Professor Emeritus (UGC) awarded during the year 2015-2018.

**Academic and Research achievements:** Guided 18 Ph. D students. Research interest in soil microbiology, seed pathology, mycorrhiza and mycotoxins. Published more than 60 research papers in reputed journals and edited and authored more than 15 books. Recently, authored a book entitled "Floral diversity of Pocharam wildlife sanctuary, Medak district, Telangana state, India" by Telangana state Forest Department, Government of Telangana in 2019.

**Other contributions:** Excelled in research by contributing to the understanding and advancement of seed pathology, mycotoxins (aflatoxins) with special reference to seed mycoflora of sorghum, bajra, ragi, leafy vegetables, medicinal plants, storage pattern studies, biochemical changes etc., and their control. VAM association in medicinal and vegetable plants, phylloplane mycoflora and floral diversity of wildlife. For the first time I have reported aflatoxin contamination in sorghum seeds and in millets. Isolated new species level and new host records added to the Fungi of India. Visited Andaman Islands, Lakshadweep Islands and Sri Lanka.

**Awards and Honours:** Recipient of Dr. Shome memorial award, 2011 by Mycological Society of India. Elected fellows of Telangana Academy of sciences (TAS) - 2010. Indian Botanical Society, 2012. Indian Society of Mycology and Plant Pathology, Udaipur, 2013. Indian Phyto Pathological Society, New Delhi, 2013. Elected as Zonal Councillor, Indian Phyto Pathological Society, New Delhi, 2004. Joint Secretary, OUTA, 2004-2005. Director, Academic staff college (UGC), Osmania University (2008-2010) Worked as chairman, BOS in Botany (2009-2010), Environment science & Forestry (2008-2010), Head, Department of Botany (2010-2012). Registrar, Satavahana University, Karimnagar (2012-2014) and member in various academic bodies.




	<p><b>Name:</b> Prof. BHAGVANTH RAO M.</p> <p><b>Born:</b> 08-08-1944</p> <p><b>FTAS:</b> TAS/1992</p> <p><b>Address:</b> Director, Anurag Group of Instts. Flat No. 101, Om Shanthi Nivas, 1-9-295/32/5/C, Vidyanagar Hyderabad-500 044</p> <p><b>Mobile:</b> 9391136914,</p> <p><b>Email:</b> <a href="mailto:bhagvanthrao@yahoo.co.in">bhagvanthrao@yahoo.co.in</a></p>
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B. Tech. graduated in (Chemical Engineering) from Osmania University, did M. Tech. and Ph. D. from I. I. Sc., Bangalore and Post-Doctoral work in Tokyo, Japan. He was appointed as Professor of Chemical Engineering in 1978 at Osmania University. He held various positions as a Dean of Technology, Chairman, Board of Studies, Principal, Director and Registrar of Osmania University and also In-charge Vice Chancellor for a fleeting period.

**Academic and Research Achievements:** Supervised 81 Ph. D.'s and published over 315 papers in National and International journals. He has successfully completed 30 research projects sponsored by various funding agencies. He was awarded several prestigious awards including Best Teacher award by Govt. of A.P, Bhatnagar Award, National Lecturer award by U.G.C., New Delhi.

**Other Contributions:** He is a fellow of several prestigious academic bodies and former President of Andhra Pradesh Academy of Sciences. He visited 15 countries. Awarded the "Outstanding Chemical Engineer" (2007) by American Chemical Engineers Congress. Member of A.P. Pollution Board. He is on the Board of Directors of several Industries across the country.

**Awards & Honors:** He is also a member of AICTE and NBA Accreditation committees and also visited various engineering Colleges as a member for the approval process. He organized several National and International seminars and conferences. He was also served as a Member of the AICTE Inspection Committee during 1980 – 1995. He was academic senate member of Osmania University, REC Warangal, Acharya N. G. Ranga Agricultural University, Hyderabad, IIT Mumbai and IIT Chennai. He is the Chancellors nominee of academic senate of all the Universities in Rajasthan.

	Name : <b>Prof. Bhalla J.K.</b> Born : 14-4-1942 FTSA : TSA/1998 Address : 12-13-271, Tarnaka, Secunderabad-500 017 Mobile : 9849270698
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#### **Academic and Research Achievements:**

M. Sc. Botany (OU, 1963), Standing first position Ph. D. (OU). Joined O.U. as Lecturer and rose to professor and superannuated in 2002. She worked on cytomorphology and mutation breeding subsequently she worked on tissue culture and experimental mutagenesis in crop improvement. She successfully completed major Research projects funded by UGC, CSIR, DBT. She attended several national and international conferences and organized workshops and conferences as Head department of Botany.

#### **Other Contributions:**

Subject expert for selection of Professors in several Universities and member of several committees, delivered extension lectures during orientation and Refresher Courses. Course Writer for curriculum on Cell Biology at IGNOU, New Delhi. Produced 24 PhD Students, published 162 research papers.

#### **Awards and Honors:**

Gold Medal for BSc part-I, JD Italia best student shield from RBVRR women's college, Young Scientist award of AP. Akademi of Sciences in 1976, Young Investigator award in 1979, at Tokyo Japan, Distinguished Alumni Award at Golden Jubilee Celebrations of RBVRR College. Elected Fellow of Indian Botanical Society, Elected Fellow of AP Akademi of Sciences, Life Member of National Academy of Sciences.



**Name:** Dr. Bhanu Sankara Rao K.

**Born** 15-06-1949


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Dr. K. Bhanu Sankara Rao's academic and research career spanning over 42 years has been marked by creative abilities as evidenced by several original research contributions in Metallurgical and Materials Engineering and Technology. He has provided excellent R&D support in metallurgy for the development of Fast Breeder Reactor technology in India while working in DAE at Indira Gandhi Centre for Atomic Research, Kalpakkam during 1977-2009. Dr. Rao has made significant and outstanding research contributions towards (i) development of structural, core and steam generator materials (Different types of austenitic Stainless Steels, Ferritic-Martensitic Steels and Superalloys) of interest to fast breeder reactors (FBRs), (ii) development of dispersion strengthened ferritic-martensitic steels for clad tubes of fast breeder reactors, (iii) development of reduced activation ferritic-martensitic steels for test blanket modules of fusion reactors, (iv) development of Superalloys, nickel aluminides and fiber-reinforced composite materials for aerospace applications, (v) characterization of creep, fatigue, thermomechanical and creep-fatigue interaction behaviour of ferritic-martensitic steels, stainless steels, Nickel-base, Cobalt-base, and Ni-Fe base superalloys and their weldments, (vi) evaluation of strengthening, deformation and fracture mechanisms in high temperature materials, (vii) development of constitutive equations for describing mechanical behaviour and life prediction methods and extrapolation of creep and fatigue properties, (viii) establishment of creep, fatigue and creep-fatigue interaction rules for nuclear and aerospace materials and (ix) development of mechanical testing methodologies for evaluation of mechanical properties in dynamic sodium and liquid helium. He has published more than 400 research papers in the peer reviewed international journals and conference proceedings. Dr. Rao is internationally known expert in the development of high temperature materials and in physical and mechanical metallurgy. He has earned reputation for his high quality research work in structure-property correlations, strengthening mechanisms, creep, fatigue, thermomechanical fatigue and creep-fatigue interaction of a variety of nuclear and aerospace materials and their weldments. He has played a key role in developing extensive data base on high temperature mechanical properties of several technologically important materials and provided solutions to the critical issues pertaining to the design and development of FBR technology. During 2009-2013, he has made very significant contributions towards establishment of School of Engineering Sciences and Technology at University of Hyderabad. Under his leadership, this Central University has established excellent credentials for post graduate education and research in Materials Engineering and Nano Science and Technology. He served as the Ministry of Steel Chair Professor from June 2013 to September 2018 at Mahatma Gandhi Institute of Technology, Hyderabad. In the last few years, he has successfully developed Friction Stir Welding process for fabrication of recently developed Indian Reduced Activation Ferritic-Martensitic Steel for Test Blanket Module of Fusion Reactors. He assumed office of prestigious Pratt & Whitney Chair Professor at University of Hyderabad on October 1st 2018. He has received Platinum Medal Award (2016) from The Indian Institute of Metals for Outstanding contributions to Metallurgical Profession, Materials Development, Research and The Indian Institute of Metals (Highest Award of IIM). He has been the recipient of the National Metallurgist Award (Research & Academia) in 2012 from the Ministry of Steel, Government of India for significant contributions towards the development of structural, core and steam generator materials for fast breeder reactors, in the research areas of creep, fatigue and creep-fatigue interactions in steels and superalloys, and in the development of fiber reinforced composites for aerospace applications. He has also been bestowed with Best Metallurgist Award (Ministry of Steel, 1995), G.D. Birla Gold Medal (IIM, 2004), SAIL Gold Medal (IIM, 2000 and 2004), Binani Gold Medal (IIM, 1991), NASA (U.S.A.) Appreciation (1994), MRSI Medal (1997) and several other prestigious awards from IIM. He is Fellow of INAE, FASC, FASM and FIIM. He has been the Chief Editor of the Transactions of The Indian Institute of Metals from 2003 to 2017.

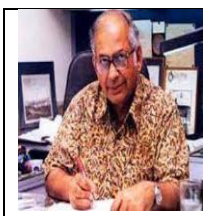
	<p><b>Name</b> : Dr. Bhanuprakash Reddy G.</p> <p><b>Born</b> : 27-04-1967</p> <p><b>FTSA</b> : TSA/2012</p> <p><b>Address</b> : Scientist-G, Biochemistry Division, National Institute of Nutrition, Tarnaka, Hyderabad- 500 007</p> <p><b>Mobile</b> : 9704756699</p> <p><b>E-mail</b> : <a href="mailto:geereddy@yahoo.com">geereddy@yahoo.com</a>, <a href="mailto:bhanu@ninindia.org">bhanu@ninindia.org</a>;</p>
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M Sc Biochemistry (OU), PhD in Biochemistry (OU), Ultraviolet radiation mediated changes in eye lens metabolism. postdoctoral training at the Indian Institute of Science, Bangalore and the Case Western Reserve University, Cleveland, USA protein-ligand interactions, protein-protein interactions, protein folding, structure-function studies and molecular chaperones. joined National Institute of Nutrition (NIN) as a Senior Research Officer and initiated the work on age-related diseases and nutrition. Visiting Scientist at the University of Michigan, USA (2003, 205 and 2007) and the Cincinnati Children's Hospital Medical Center( 2014.)

**Academic and Research Achievements:** His work on non-enzymatic glycation of proteins and aldoketoreductases under chronic hyperglycemia paved the way for exploiting functional foods molecules as aldose reductase inhibitors (ARI) and antiglycating agents (AGA) against diabetic complications. His group has isolated beta-glucogallin, first time, from the fruit Amla that displays selective as well as relatively potent ARI. He also isolated and characterized procyanidine-B2 as a novel AGA from cinnamon. These bioactive molecules have been tested in diabetic animal models for their potential to prevent and treat diabetic complications. He showed a role for micronutrients in the development of diabetic complications. He studied the prevalence of B-vitamins in adults concerning age-related diseases. His group identified mutations in genes that cause age-related diseases through altered nutritional status. For the first time, he described retinal degeneration and cataract in a spontaneous obese rat model. His work has provided new insights into the structure, function and expression of small heat shock proteins (sHSP) under hyperglycemic conditions. Dr. Reddy also worked protein aggregation and amyloidosis and prevention of protein aggregation diseases by natural compounds. Demonstrated that turmeric and curcumin (active ingredient of turmeric) delay diabetic cataract and diabetic retinopathy in rats. Described that manipulation of chaperone activity of  $\alpha$ -crystallin by dietary and pharmacological agents can help in prevention of delay of cataract. Provided insights into the role of hydrophobicity in chaperone function of  $\alpha$ -crystallin. Unveiled the effect of non-enzymatic glycation on structure, stability and function of  $\alpha$ -crystallin. Developed a new assay to study the chaperone-like function of sHSP. Provided insights into the co-occurrence of Danish dementia and cataract through interaction of dementia peptides and  $\alpha$ -crystallin.

**Other Contributions:** Published over 120 research papers in peer-reviewed guided 12 PhD students his supervision. Reviews in Endocrinology and Metabolic Disorders. He was an EC member of Nutrition Society of India (2008-12). Actively involved in various scientific programs for inculcating scientific temper and inspiring school and college students to take up scientific research as their career.

**Awards and Honours:** Fellow of the National Academy of Sciences, India (2006). He is a recipient of Gates Foundation Global Health Travel Award (2015), KVRSS-Eminent Research Supervisor Award (2015), ICMR-Basanti Devi Amir Chand Prize (2010), Scopus India Young Scientist Award (2008), RPB-International Research Scholars Award (2007), ICMR-Excellent Research Output Award (2006), ICMR-Dr. V. N. Patwardhan Prize (2002), and Nutrition Society of India-Young Scientist Award.



Name: **Dr. Bhargava P.M.**

Born: 22-02-1928


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**Academic and Research Achievement:** Bhargava started his research career in 1946 at Lucknow University when he began working for his Ph.D. He obtained a Ph. D. in Synthetic Chemistry at the age of 21 after which he moved to Hyderabad. Between 1950 and 1953 he worked first at the then Central Laboratories for Scientific and Industrial Research, now called the Indian Institute of Chemical Technology (IICT), and then at Osmania University, both at Hyderabad. In 1953, he went to US on a postdoctoral Fellowship in the McArdle Memorial University of Cancer Research, University of Wisconsin, Madison (US) working in the laboratory of Charles Heidelberger. During 1956-57, he worked at National Institute for Medical Research, UK as a special Wellcome Trust Research Fellow and made a transition from Chemistry to Biology. In 1958, he returned to Hyderabad and joined the same Central Laboratories for Scientific and Industrial Research which was by now taken over by Council Scientific Industrial Research (CSIR), and named Regional Research Laboratory (now known as Indian Institute of Chemical Technology) as Scientist B. Bhargava has worked in the United States, the United Kingdom, France and Germany, and has travelled in over 50 countries. He had produced more than 125 scientific publications. Most of his research career has been carried out in Hyderabad where he established in 1977, the Centre for Cellular and Molecular Biology (CCMB). He retired from the directorship of CCMB to join the newly created CSIR Distinguished Fellowship firm which he was relieved in 1993.

**Other Contributions:** Dr. Bhargava has been a well-known critic of Indian governmental policies, and had attained the post of Vice-Chairman in the National Knowledge Commission. He has also served as a member in the National Security Advisory Board and nominee of the Supreme Court of India on the Genetic Engineering Appraisal Committee of the Government of India. He has opposed the approval of GM foods in India. He has also opposed the Biotechnology Regulatory Authority of India (BRA) Bill, Calling it “unconstitutional, unethical, unscientific, self-contradictory, and not people-oriented”. Proteins of Seminal Plasma, published by John Wiley, New York, National integrated sciences text book for 11-to12-year-olds. The Saga of Indian Science since Independence: In a Nutshell, Angels, Devil and Science, An Agenda for the Nation. The Two Faces of Beauty: Science and Art.

**Awards and Honors:** Legion d’Honneur from the President of France (France’s highest honour), Padma Bhushan from the President of India in 1986, [17] but decided to return as he stated “climate of intolerance” and “the ways in which science and reason was getting eroded in the country”, Fellowship, Fellowship of National Academy of Medical Sciences, India, Fellowship of all the three Indian Science Academies, but from which he resigned on matters of principal, Hon. D.Sc. (University of Burdwan). National Citizen Award (India), Visiting Professors, Life Fellowship, Wattumal Memorial Prize for Biochemistry, FICCI Award for Medical Sciences, Ranbaxy Award for Medical Sciences, SICO Award for Biotechnology, Goyal Prize, R.D. Birla Award for Medical Sciences.

	<b>Name:</b> Dr. Bhaskar Rao Y. J. <b>Born:</b> 11-03-1952 <b>FTAS:</b> TAS / 2010 <b>Address:</b> 1-49/3A, Street No. 1, Surya Nagar, Uppal, Hyderabad – 500 039 <b>E-mail:</b> <a href="mailto:yjbhaskarrao@gmail.com">yjbhaskarrao@gmail.com</a> <b>Mobile:</b> 91-9490437115
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M.Sc (Geology) 1975, Osmania University; Ph.D. (Geology) 1982, Osmania University, Hyderabad. Postdoctoral research fellow, University of Minnesota, Minneapolis, USA (1980-82). Worked at CSIR-NGRI as Sr. Scientific Assistant (1979) and as Scientist (1982-2015), superannuated as Chief Scientist. Served as Acting Director, CSIR-NGRI for 3 years between 2011-2013 and 2014-2015.

**Academic and Research Achievements:** With an introduction to mass spectrometry and geochronology at the University of Minnesota with Prof. V. Ramamurthy, he was associated with Prof. K. Gopalan in the establishment of a modern geochronological Thermal Ionization Mass Spectrometer (TIMS) laboratory at the NGRI during 1984-85. Further augmenting this lab over the last 15 years, he established a modern analytical facility for geochronology and isotope research at CSIR-NGRI, centered around LA-ICPMS and MC ICPMS. His research at these laboratories integrate geological observations with a wealth of new geochronological information comprising wholerock Rb-Sr, Sm-Nd, zircon U-Pb ages and Hf-isotopic compositions leading to a better understanding of the crust-mantle interactions, the formation and destruction of crust and Precambrian terrane accretion in southern India vis-à-vis global geodynamics. He authored over 70 peer reviewed journal articles and guided several doctoral theses.

**Other Contributions:** As a Senior Scientist and Acting Director of CSIR-NGRI, he contributed immensely to the progress and success of the CSIR-NGRI's multifaceted R & D activities. He also contributed to the development of Earth Science research programs in India as a member of several national committees, especially the DST, MoES and MoM. The "National Geochronology Facility" housing the first large format Ion Microprobe and a high energy AMS has taken shape at the Inter University Accelerator Centre, New Delhi based on his initiatives.

**Awards and Honors:** He is a recipient of the National Mineral Award-1997, (MoM, Govt. of India), B. Rama Rao Birth Centenary Award-2015 (Geological Society of India), Lifetime achievement award (Indian Society for Mass Spectrometry). He is an Elected Fellow of Andhra Pradesh and Telangana Academies of Science.



	<p><b>Name:</b> Dr. Bhaskar T.</p> <p><b>Born:</b> 02-05- 1971</p> <p><b>FTSA:</b> TAS/2017</p> <p><b>Address:</b> Principal Scientist, CSIR-Indian Institute of Petroleum (IIP), Dehradun 248005</p> <p><b>Mobile:</b> 9410151846</p> <p><b>E-mail:</b> <a href="mailto:tbhaskar@iip.res.in">tbhaskar@iip.res.in</a>.</p>
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Principal Scientist, is Bio-Fuels Division at IIP, Dehradun. Ph. D IICT, Hyderabad. Postdoctoral Fellow at Okayama University, Okayama, Japan, joined as Faculty at the level of Research Assistant Professor for ~7 years.

**Academic and Research Achievements:** Published 130 papers in peer reviewed journals, contributed 28 book chapters to Elsevier, ACS, John Wiley, Woodhead Publishing, CRC Press, Asiatech, etc, and 14 patents 300 attended symposia he is the project leader/ coordinator for biomass and waste valorization. His research cover fields revolving heterogeneous catalysis, thermo-chemical conversion of biomass and e-waste (WEEE) plastics into value added hydrocarbons and dehalogenation methods. prepared several catalysts/sorbents and thrown a light on the structure-activity relationships of novel catalytic materials for ammoxidation of picoline, biomass conversion to fuels and chemicals by thermo-catalytic routes, dehalogenation of plastics through pyrolysis and hydrotreatment of fossil based crudes, etc.

**Other Contributions:** Tthe editorial board of international peer reviewed journals and edited for 4 books. He has received projects/grants from different convas Dr Bhaskar has organized several international events in India and abroad successfully. He is a subject expert in committees of DST/TIFAC/NITI Aayog/CII/MDWS/MoPNG, etc. He was also a JSPS Visiting Scientist to Tokyo Institute of Technology, Japan during 2009.


**Awards and Honors:** Received the Distinguished Researcher award from AIST (2013), Japan and Most Progressive Researcher award from FSRJ, Japan (2008). Fellow of Royal Society of Chemistry (2016), Fellow of Biotech Research Society of India (2012), Fellow of Environment, Engineering and Sustainability (2017), and Scientist of the Year Award (2016) Fellow of International Bioprocessing Association (2017), and General Secretary, Management Council of BRSI (2017-2019). Received the Raman Research Fellowship (2013-14). CAS Presidential award (2016). Visiting Professor in China (2016) and Visiting Scientist at SINTEF, Norway (2013 to 2014).



Name: **Dr. Bhikshamaiah G.**  
Born: 02-03-1956,  
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Mobile: 9949565350  
E-mail: [gbhyd08@gmail.com](mailto:gbhyd08@gmail.com)

**Academic and Research Achievements:** M.Sc. Physics (1980) (Ph.D. in Physics (1987) on Debye Temperatures and microstructural parameters of Ag-Cd-Zn and Cu-Al Alloys from Osmania University, Hyderabad. He has joined Department of Physics, Osmania University as Assistant Professor in 1989 and posted at Nizam College. He has promoted as professor in 2007. In 2010 he has transferred to Department of Physics, OU campus. Prof. Bhikshamaiah has 27 years of teaching experience in Physics to Post and Under Graduate students. He was also engaged in teaching several computer science courses for Under Graduate students. He has authored 7 books and edited 2 which include 10<sup>th</sup> class Physical Science text book of erstwhile Govt. of AP and B.Sc. 2<sup>nd</sup> year Physics book published by Telugu Academy. Prof. Bhikshamaiah delivered several extension lectures in various workshops/training programs organized by ASR Award Council, SCERT, Govt. of AP. for high school teachers and students. Delivered several lectures in orientation/ refresher courses at OU, Academic Staff College. He has superannuated in March, 2016. Prof. Bhikshamaiah was awarded CSIR Senior Research Fellowship in 1985 for a period of 3 years. He has studied thermal expansion and Debye Temperatures of several semiconducting compounds, metals and alloys. His current research interests are transport properties of double pervoskite materials and catalytic and optical studies of green synthesized copper and cadmium sulphidenano particles. He has supervised 3 students for their Ph.D. degrees. He has published 49 research articles including one review article. Dr. G. Bhikshamaiah is life member of Indian Science Congress(ISC), Materials Research Society of Indian(MRSI) and Indian Physics Teachers Association(IPTA). He has completed 5 research projects. Currently he has got a major research project on Transport and properties of double pervoskite materials by DST-SERB New Delhi. Currently, he is working as head of the department of Humanities and Sciences at CVR College of Engineering.

**Other Contributions:** Prof. G. Bhikshamaiah worked as Controller of Examinations, Osmania University for more than 4 years(2012-16) and responsible for automation of various systems of Examination Branch. He has also worked as Controller of Examinations at Nizam College for a period of 2 years. Prof. Bhikshamaiah was Incharge of Computer Science course at Nizam College for about 10 years.

	Name : <b>Dr. Bhimasankaram V.L.S.</b> Born : 16-11-1931 FTAS : TAS-1969 Address : Tarnaka House,12- 13-75, Street No-4, Tarnaka, Hyderabad – 017. Mobile : <b>9849563500</b> E-mail : <a href="mailto:vlsbs@yahoo.com">vlsbs@yahoo.com</a>
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Senior most Professor of Geophysics in India. Founded and developed the largest Geophysics Department in the Country in the Osmania University,

#### **Academic and Research Achievements:**


While in London, he was appointed Reader in Geophysics by the Osmania University, Hyderabad, He was Professor and Head. He was also the founder of Centre of Exploration Geophysics established in OU by the Government of India, as one of the four national Scientific Teaching Centres under Indo- Soviet Bilateral Agreement. Under the leadership of Prof. Bhimasankaram, and with the technical help and sophisticated equipment from abroad and 100% financial aid from the Indian Government, the CEG grew in strength and stature and acquired National & International reputation. With a view to bring all geophysicists on to a common platform, and to further strengthen the subject, in 1975, Founded the Association Exploration Geophysicists and was its Secretary till 1991. Under his leadership, the AEG expanded rapidly with Indian and foreign membership reaching one thousand, and acted as a catalyst for Geophysical Education, Research and Investigations, through its Annual Conferences, publication of Books, Research articles and a journal.

#### **Other Contributions:**

During 1987-89, he worked on the invitation from Sri N.T.Ramaraao, the then Hon'ble Chief Minister of Andhra Pradesh, as Chairman and Managing Director of A.P. Mining Corporation, and oriented its activities towards development of Mineral resources and of Mineral based industries in the State. As its CMD, he brought APMDC into profit, a position it enjoys even today. After retirement, from 1996, he developed interest in Telugu Classical Poetry and wrote: 1. Rasa-Sruvu (1998, 2006); 2. Sivaananda Mandahaasam, (2004); 3. Dakskhaarama Bhimeswara Sathakam, (2006, 2011); 4. Sri Rama Nee Naama Memi Ruchira, (2006, 2011); 5. Sri Daksharaama Bhimeswarodaharana Kaavyam, (2009); 6. Aatmiya Kavita Kadambam, (2010); 7. Bhima Sathakam, (2010,2011); 8. Audio CD "Telugu Vaibhavam" (Dec., 2011); 9. His Ramayanam (Balakandam) is being published at present by Tirupati Devasthanams.

#### **Awards and Honours:**

Apart from the Van-Weelden Award, and FNA, he received: Decinniel Award of the Indian Geophysical Union, 1976 Best Teachers' Award of the Government of AP, 1984 Millenium Award of the Indian National Congress, 2007 . Honoured by Institute of Scientific Research in Vedas, 2007, Made Aasthaan Vidwaan of Mysore Datta Peetham Sri Sivaananda Eminent Citizen Award of Sanathana Dharma Trust, 2007.

	<b>Name:</b> Prof. Bir Bahadur <b>DOB:</b> 05-04-1938 <b>FTAS:</b> TAS/1995 <b>Address:</b> The Odyssey 4A, 10-2-289/46, Shanthinagar, Masab Tank, Hyderabad-500 028 <b>Mobile:</b> 9885292557 <b>E-Mail:</b> <a href="mailto:birbahadur5april@gmail.com">birbahadur5april@gmail.com</a>
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My Research covers vast canvas; plant biology genetics, mutagenesis, tissue culture and biotechnology, morphology & anatomy morphogenesis, SEM in botanical research, and biofuel plants Jatropha and castor.

**Academic and Research Achievements:** Served as Lecturer and Reader at Osmania University, Hyderabad, and as Reader and Professor at P.G.Centre and Kakatiya. Chairman, Board of Studies; Dean, Faculty of Science; and Co-ordinating Officer UGC 29 Ph.D. and 3 M.Phil. in published about 250 research papers/reviews textbooks and reference books.

**Other Contributions:** Post Doctoral fellow Institute of Genetics, Hungarian Academy of Sciences, Budapest, Government of India fellowship and worked on mutagenesis and of direct award Commonwealth Royal Society Bursary, London, worked at Birmingham University (UK). with scanning electron microscopy of seeds to assess the phylogenetic relationship among wild and cultivated Solanums. Visited Oxford, Leeds, Reading and London Universities, including the Royal Botanic Gardens, Kew, Visit funded by Royal Society. Invited for International conferences by US Science Foundation at University of Missouri, St. Louis, and University of Texas, Houston and SABRO International conference at Szukoba, Japan and presented papers.

**Awards and Honours:** Recipient of Best Teacher Award by the A.P. Government for mentoring thousands of students in career spanning over 40 years. Honoured with Prof. Vishwamber Puri, Medal of Indian Botanical Society Recipient of Bharat Jyoti Award, New Delhi for sustained contributions in the education & research. Listed as one of the 39 prominent alumni of City College as per the latest Website..Fellow of over a dozen professional bodies in India and abroad, including elected Fellow of the Linnean Society, London; Chartered Biologist and elected Fellow of the Institute of Biology, London.Member of New York Academy of Sciences. Conferred with an Honorary Appointment to Research Board of Advisors by Board of Directors, Governing Board of Editors and Publications Board of the American Biographical Institute,USA. Presently, Independent Director of Sri Biotech Laboratories India Ltd., Hyderabad. Telangana.




<b>Name:</b>	<b>Prof. Dr. Butchi Venkata Rao Tata (B V R Tata)</b>
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Dr. Tata obtained his M.Sc. (Physics) Degree from Andhra University (1977) and Ph. D Degree from University of Madras (1993). He has carried out Post-doctoral studies at Central laboratory, Osaka (Japan) (1996-97) & Illinois Institute of Technology, Chicago, USA (1998). Dr. B V R Tata is from 25th Batch BARC-Training school and joined in IGCAR as scientific officer in the year 1982. Dr. Tata was an Outstanding Scientist at Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, India and was a Senior Professor of Homi Bhabha National institute (HBNI@IGCAR). He was also Head, Condensed Matter Physics Division at IGCAR, Kalpakkam. After superannuating from IGCAR in June, 2016, Dr. Tata joined as a visiting Professor at Indian Institute of Technology (IIT)-Palakkad, Kerala. In the year 2017, Dr. Tata was appointed as a full professor in the University of Hyderabad (UOH) and currently establishing his research group in School of Physics, UOH.

**Research interests and contributions:** Dr. Tata established a vibrant research program of international repute, in the area of soft condensed matter at IGCAR, Kalpakkam. He has earned high reputation both nationally and internationally for the original, elegant and impressive experiments in the areas of ordering, dynamics and phase transitions in nanoparticle dispersions, stimuli-responsive nanogels, polymer hydrogels, bio-colloids and granular matter. He has developed versatile simulation programs to study the ordering and complex phase behavior of charged colloids and predicted several new phase transitions. Dr. Tata's research interests are in the areas of Soft Condensed Matter, Computer Simulations, and Optics & Photonics. Dr. Tata has guided 7 Ph.D. students and 15 M.Phil. and M.Sc. students. He has published two books and over 275 research papers in international journals and conferences. Dr. Tata has received invitations to write review articles in national and international peer reviewed journals and to delivered invited talks in several international conferences and prestigious research Institutes in India and abroad.

**Awards & Honors:** Editorial board Member of Journal of Physics - PRAMANA (2010-Till date), Distinguished Faculty Award, Homi Bhabha National Institute, Mumbai (2015). Award of Erudite Visiting Professor, Mahatma Gandhi University-Kottayam, Kerala (2011), Invited foreign collaborator of the space project "Structure Analysis of Colloidal Crystals under the Microgravi Environment" funded by Japan Aerospace Exploration Agency (JAXA) (2010-2016), Materials Research Society of India Medal in (2009), COE Professor, Tohoku University, Sendai, Japan (Sept. 2006), JSPS Visiting Professor, Nagoya City University, Nagoya, Japan (March-May, 2003), Young researcher award (1998), Kalpakkam Science & Technology Award (1993).

	<b>Name:</b> Dr. Chakravarthi V. <b>Born:</b> 01-07-1968 <b>FTAS:</b> TAS-2015 <b>Address:</b> Centre for earth and Space Sciences, University of Hyderabad, Gachibowli, Hyderabad-46 <b>Mobile:</b> 9490749535 <b>E-mail:</b> vcvarthi@rediffmail.co
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**Dr. V. Chakravarthi** M.Sc obtained his Doctorate Degree from Osmania University in 2006 P.h.D Osmania University (2006) in gravity exploration. Currently he is working as Associate Professor in Centre for Earth and Space Sciences, University of Hyderabad (UoH), Hyderabad. Prior to join UoH in 2010, he worked as a geophysicist in Groundwater Department and then as a Principal Scientist in CSIR-National Geophysical Research Institute.

**Academic and Research Achievements:** Dr. Chakravarthi has made outstanding contributions in both theoretical and experimental geophysical research, which have received international recognition in the form of a book and several research papers in leading SCI Journals. The algorithms developed by him have been proved significant in mineral and hydrocarbon explorations in both onshore and offshore regions. Associate member, Society of Exploration Geophysicists (SEG), USA; Life member, (ISCA), Indian Geophysical Union (IGU) ,On Association of Exploration Geophysicists (AEG), and Society of Petroleum Geophysicists (SPG).

**Other Contributions:** Granted an US patent (6,615,139)from three-dimensional density interfaces using depth dependent density” (2003), This invention enables one in determining more accurate depth values of a density interface from the measured gravity fields.

**Awards and Honours:** (1)Recipient of CSIR Young Scientist Award, (2)Krishnan Gold Medal of the Indian Geophysical Union, and(3) National Mineral Award.






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MSc-Geology(OU), PhD-Geology(OU) and PhD- Earth Sciences (Univ. Cambridge, UK).Specialisation in Mineralogy, Igneous Petrology, and Geochemistry.Postdoctoraltraining at Technical University of Clausthal, ClausthalZellerfeld, Germany. Worked as Scientist-Pool at Department of Applied Geochemistry (OU), Asst. Ore Dressing Officer (Ore Dressing Division, Indian Bureau of Mines, Nagpur) before joining BHU.

**Academic and Research Achievements:** Made original, fundamental and path breaking fundamental contributions on the petrogenetic and petrophysical aspects of kimberlites, lamproites, lamprophyres, their entrained xenoliths and mafic dykes which enriched our understanding of the mantle processes through geological time. Established an important school of deeper mantle petrology in India and his innovative researches demonstrated as to how small-volume melt products such as kimberlites, lamproites and lamprophyres and their xenoliths can shed significant insights into large-scale geodynamic as well as metallogenic aspects such as (i) link between kimberlites, flood basalts and mantle plumes, (ii) non-terrestrial source for the anomalous Ir enrichment at K-Pg boundary, (iii) origin and original spatial extent of the Proterozoic (Purana) sedimentary basins and the Deccan basalts, (iv) Mesoproterozoic mantle heterogeneities and chemical geodynamics in southern India, (v) supercontinental (e.g., Rodinia) reconstructions, (vi) delineation of Neoarchaeansubduction event(s) in the eastern Dharwarcraton and (vii) diamond prospectivity. He has established an EPMA facility at Banaras Hindu University which has been well-recognized as a facility of excellence and empowering the young Indian researchers to pursue world-class petrological research.

**Other Contributions:**Published over 100 research papers in peer-reviewed journals andguided 10 PhD students.Editor-in-Chief of Journal of Earth System Science (IASc), Editorila Board member of Current Science, Journal of Geological Society of India, Geological Journal, Indian Journal of Geology etc.,

**Awards and Honors:** Fellow of the Indian Academy of Sciences (FASc), Fellow of the Indian National Science Academy (FNA), Cambridge-Nehru Scholarship awardee, Alexander von Humboldt Senior Post Doctoral Fellowship, Peravadhanulu award, M.S.Krishnan Gold Medal, K. Naha award, PRL Award, DrCoggin Brown Gold Medal, UGC Research Award, C. Naganna Gold medal, National Mineral award, Prof C.N.R. Rao award etc.

	<p><b>Name:</b> Dr. Chandak G.R.</p> <p><b>Born:</b> 07-06-1963</p> <p><b>FTAS:</b> TAS/2010</p> <p><b>Address:</b> Centre For Cellular &amp; Molecular Biology(CCMB), Hyderabad -7</p> <p><b>Mobile:</b> 9849084365,</p> <p><b>E-mail:</b> <a href="mailto:director@cdfd.org.in">director@cdfd.org.in</a></p>
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**Academic and Research achievements:** RG Kar Medical College and Hospital, Kolkata and DNB in Biochemistry (National Board of Examinations, New Delhi). MD Biochemistry from Institute of Medical Sciences, Banaras Hindu University, Varanasi and PhD(OU) visiting fellow at Department of Medical Genetics, North-West Centre for Medical Genetics, Indiana University in Medical Genetics and Genetic Counseling. post-doctoral fellow in CCMB (1994-96) and then as scientist at Centre for DNA Fingerprinting and Diagnostics (1996-99). joined CCMB as a faculty in 1999 and is a Group Leader since 2006

**Other Contributions:** His major research interest one genetic basis of complex disorders of pancreas such as chronic pancreatitis, type 2 diabetes mellitus and associated intermediate traits such as obesity, insulin resistance. Investigating gene-gene and gene-nutrient interaction in the pathophysiology of above complex diseases. He is also interested in understanding the genetic and epigenetic bases of complex diseases that form the core of Developmental Origins of Health and Adult Diseases (DOHaD). He runs a State of the Art “Molecular Diagnostic and Genetic Counseling” facility, which provides such services for close to 30 common monogenic disorders. Associated with various Focus Disease Groups (FDGs) such as Indian Association of Muscular Dystrophy, Hemophilia Federation of India, Thalassemia and Sickle Cell Society that work towards providing comprehensive care to patients with different genetic disorders.

**Awards & Honors:** GRC is a recipient of Andhra Pradesh Scientist Award (APSA) from Andhra Pradesh State Council of Science and Technology (2007). Member of National Academy of Medical Sciences (2005) publications 75 in leading International journals including Nature, Nature Genetics, Lancet, Gut, Diabetes, Diabetologia, etc.



**Name:** Prof. Chandra Mouli V.  
**Born:** 19-09-1949  
**Elected:** TAS/2017  
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M.Sc. Ph. D in Physics, Osmania University, worked as a faculty member for more than 33 years, out of which 18 long years as professor in Osmania University. After retirement extended his services as Principal and Director for more than 9 years, at Sphoorthy Engineering College, Hyderabad.

His research interest is **Preparation and characterization of Tellurium oxide based glasses and its application as optical functional materials**. Completed successfully six major research projects funded by UGC, DST, DRDO and CSIR. 8 students obtained Ph. D under his supervisor ship at Osmania University. He has published more than 67 research papers in peer reviewed international and national journals. He visited many universities in Germany, United Kingdom etc. as a part of his research activity. During July to September, 2018 visited many universities in London, Edinburgh, Plymouth and Bristol etc., in United Kingdom.

He worked as **Principal**, O.U Post Graduate College, Secunderabad, **Controller of Exams** - Nizam College (O.U) (Autonomous), Hyderabad. **Chairman, BOS in Electronics, Chairman, BOS in Physics** at Osmania University. After retirement on superannuation, also extended his services as Principal from 2010 to 2016 and Director from 2016 to 2018 at Sphoorthy Engineering College affiliated to JNTUH, Hyderabad,

**Awards and Honors:** Received "National Academic Leadership Award for the year 2017" by Dewang Mehta National education awards committee on 17<sup>th</sup>, November, 2017.

**Membership with professional and scientific bodies:** 1. Member Indian Science congress Association. 2. Expert Committee Member of CSIR, New Delhi. 3. Expert panel member Haryana Public Service commission, AP Public Service commission etc. 4. Expert/Project review member for DRDO, DST, UGC. CSIR, and for many Universities. 5. Member of many professional bodies both at state and central and international level.

	<p><b>Name;</b>               <b>Prof. Chandrakanth Kokate</b></p> <p><b>Born:</b>                <b>15-8-1947</b></p> <p><b>FTAS:</b>             <b>TAS/1993</b></p> <p><b>Address:</b>       <b>Vice-Chancellor, KLE University, JNMC Campus, Nehru Nagar, Belgam, Karnataka- 590 010</b></p> <p><b>Mobile:</b>           <b>09448072777,</b></p> <p><b>E-mail:</b>           <b><a href="mailto:chandrakokate@gmail.com">chandrakokate@gmail.com</a></b></p>
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#### **Academic and Research Achievements:**

Vice-Chancellor, Kakatiya University, Warangal, A.P., President, Pharmacy Council of India., President, 50<sup>th</sup> Indian Pharmaceutical Congress along with Federation of Asian Pharmaceutical Association (FAPA), National President, Indian Pharmaceutical Association., President, Indian Society of Pharmacognosy., Executive Committee Member of All India Council for Technical Education (AICTE)., Vice-Chancellor (FAC), Nagarjuna University, Guntur, A.P., Chairman, All Indian Board of Pharmacy, AICTE, Member, Drugs Technical Advisory Board, Ministry of Health and Family Welfare, Government of India

Member, UGC Standing Committee for Projection of Indian Higher Education Abroad (PIHEAD), Review and Plan Grant Committees., Member, National Board of Accreditation of AICTE., Member, Task Force of Department of Biotechnology, Government of India.


Leader of Indian Delegation of Pharmacists, to 18<sup>th</sup> Federation of Asian Pharmaceutical Association (FAPA) at Sydney, Australia and International Pharmaceutical Federation (FIP) Conference at Bangkok., Member, National GATE- Committee of Ministry of HRD, Govt of India, Member, QRT Committee of Indian Council of Agricultural Research for M & AP., Served as the Member of Search Committee Advisor for the selection of top-most senior national positions in pharmacy., Founder Member, SEAR-Forum (South East Asian Regional Forum) of WHO-FIP.

#### **Other Contributions:**

Vice-Chancellor of an Indian University, Vice-Chancellor of the Medical (Health) University, Chairman of the Regional Committee of AICTE - (SRC), Chairman of the Recruitment Board of RAC for DRDO Laboratories, Ministry of Defence, Government of India, Honorary Colonel Commandant, NCC, Ministry of Defence, Govt of India, Fellow of Indian Society of Technical Education.

#### **Awards & Honors:**

Eminent Pharmacist Award of Indian Pharmaceutical Association and Life Time Achievement Awards of Association of Pharmaceutical Teachers of India, Indian Society of Pharmacognosy and Indian Association of Pharmaceutical Scientists & Technologists., Unique distinction of receiving all five national awards given in Indian Pharmaceutical Congress., Visited around **36** Countries for Academic collaborations and Presentations at International Conferences., Delivered Seven Convocation Addresses of the Universities / Health Institutions.

	<p><b>Name:</b> Prof. Chandrasekhar Rao P.</p> <p><b>Born:</b> 24-08-1956</p> <p><b>FTAS:</b> FTAS/2016</p> <p><b>Address:</b> Formerly Dean of Agriculture and Dean of Postgraduate Studies, Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad – 500 030</p> <p><b>E-mail:</b> <a href="mailto:rao_palli@yahoo.com">rao_palli@yahoo.com</a></p> <p><b>Mobile:</b> 91-9866892000</p>
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B.Sc.(Agriculture) and M.Sc.(Agril.) from Andhra Pradesh Agricultural University, 1977 and 1979 respectively. Ph.D. (Soil Science), APAU, Hyderabad, 1988 on “Adsorption and Persistence of Metoxuron and Tebuthiuron on Soil colloids and Model Clay Organo Complexes – A Physico Chemical Study” joined Andhra Pradesh Agricultural University as Assistant Professor, selected as Associate Professor, Professor, Professor and University Head, Dept. of Soil Science & Agril. Chemistry, Associate Dean, Agricultural College, Jagtial, retired as Dean of Postgraduate Studies and Dean of Agriculture from Professor Jayashankar Telangana State Agricultural University. At present, Adjunct Professor, Centurion University, Parlakamidi, Orissa, MRM University, Aurangabad, Member of Research Advisory Committee of ICAR-Indian Institute of Onion and Garlic Research, ICAR-Indian Institute of Rice Research.

**Academic and Research achievements:** Guided 14 Ph.D. and 18 M.Sc.(Ag.) students. Areas of Research interest include soil organic matter chemistry, soil pesticide interactions, physico chemical studies on soil enzymes. Developed a new equation for describing the adsorption of pesticides on soil constituents, characterization of humic fractions, interactions with clay colloids, elucidation of bonding mechanisms, use of nano fertilizers in improving nutrient use efficiency. Published more than 150 peer reviewed articles in Journals.

**Other contributions:** Recipient of gold medal M.Sc.(Ag.) level for University secured ICAR Senior Research Fellowship during Ph.D. programme. Elected Fellow of A.P. Akademi of Sciences, Fellow of Hind Agricultural Society and Founding, Fellow of Telangana Akademi of Sciences. Recipient of Distinguished scientist award, APJ Abdul Kalam Gold Medal for Significant contributions in the field of science, Honorary member of Asian Society for Plant Growth Promoting Rhizobacteria.



<b>Name:</b>	<b>Dr. Chandrasekhar Srivari</b>
<b>Born:</b>	09-03-1964
<b>FTAS:</b>	TAS/ 2016
<b>Address:</b>	CSIR-Indian Institute of Chemical Technology, Tarnaka Road, Hyderabad -500007
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M.Sc (Organic Chemistry), Osmania University, 1985. Ph. D. (Synthetic Organic Chemistry), CSIR-Indian Institute of Chemical Technology, degree awarded by Osmania University, Hyderabad, 1991 on "Synthesis of some biologically active compounds". Post-doctoral Fellow, UT Southwestern Medical Center, Dallas, TX, with Prof. J. Falck. Alexander von Humboldt Fellow (2001), University of Goettingen, Germany, with prof. Lutz F. Tietze. Joined IICT Hyderabad 1994 as Scientist C, and grew up to position of director in 2015 and presently heading the institute CSIR-Indian Institute of Chemical Technology, Hyderabad.


**Academic and Research Achievements:** Dr S Chandrasekhar has published 285 papers, 15 patents and two book chapters with over 7428 citations for his work. He has been listed among the top 20 scientists of India based on no. of publications in the survey conducted by Scopus from year 2000 onwards. He has also been listed among 8 scientists from India to watch by AsianScientist. The knowledge generated by him in Chemical Sciences is published and patented which contributed to advancement of sciences and provided solutions through cost reduction of pharma products and minimizing the environmental burden. Dr Chandrasekhar and his group attempted drug discovery with minimal resources available. Dr Chandrasekhar has played a key role in building national facilities for automation, sample storage for High-throughput screening. For the first time, he has used Polyethyleneglycol generally named as PEG, a non-volatile solvent, for some of the metal catalyzed reactions. He has demonstrated that PEG is an efficient solvent for metal catalysts such as Osmium which has been used for the synthesis of Taxol side-chain, an approved drug for treatment of breast cancer and Palladium for the synthesis of Orlistat, an approved anti-obesity drug. His noteworthy contributions in the total synthesis of architecturally diverse natural products are well-reflected in more than 35 bioactives and natural products. He has mentored 70 students for their Ph.D and more than 40 master students for dissertation works.

**Other Contributions:** His focus has been in the areas of infectious diseases with special attention on TB, CNS disorders including Alzheimers disease, cancer and prostaglandins. He accomplished the synthesis of Bedaquiline, the first drug approved by FDA after a gap of over 40 years for the treatment of multi-drug resistant TB. His second major contribution is the development of a scalable synthetic route for misoprostol, which is used to prevent gastric ulcer, induce labour and induce abortion.

**Awards and Honors:** AstraZeneca Research Endowment Award 2019, VASVIK Award 2018, C. V. Raman Birth Centenary Award, Goyal Prize by Kurukshetra University in 2017. SASTRA-CNR Rao Award by SASTRA University in 2017. CRSI Silver Medal by Chemical Research Society of India in 2015. Fellow, Indian National Science Academy by Indian National Science Academy, New Delhi, in 2015. Infosys Prize 2014 by Infosys Science Foundation in 2014. CNR Rao National Prize by CRSI in 2012. OPPI Scientist Award by OPPI, Mumbai in 2011. Ranbaxy Research Award by Ranbaxy in 2010, Fellow, Indian Academy of Science by Indian Academy of Science in 2010. Fellow, National Academy of Science National Academy of Sciences, Allahabad in 2010. NASI-Reliance Industries Platinum Jubilee Award by National Academy of Sciences, Allahabad, in 2008. Rajib Goyal Young Scientist Award by Kurukshetra University in 2005. Diamond Jubilee Roll of Honor in Chemical Sciences by IICT in 2005. AVRA Foundation Young Scientist Award by AVRA foundation in 2004. B. M. Birla Science Prize by B. M. Birla Science Centre in 2001, CSIR Young Scientist by CSIR in 1997. INSA Medal for Young Scientist by INSA in 1996.

He is Fellow of Indian National Science Academy, New Delhi, Fellow of Indian Academy of Sciences, Bangalore, Fellow of National Academy of Sciences, Allahabad, India, Fellow of Andhra Pradesh Akademi of Sciences, A. P. , Telangana, Alexander Von Humboldt Fellow, Vice president for Chemical Research Society of India, Co-Chairperson, National Organic Symposium Trust, Member, Indian National Science Congress and Hon'ble Secretary, Telangana Academy of Science.




	<p><b>Name:</b> Dr. Chandrasekharam M.</p> <p><b>Born:</b> 01-07-1964</p> <p><b>FTSA:</b> TAS/2013</p> <p><b>Address:</b> Principal Scientist, CSIR-IICT, Hyderabad-500 007</p> <p><b>E-mail:</b> csmalapaka@gmail.com, csmalapaka@iict.res.in;</p> <p><b>Mobile:</b> 9493409362</p>
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MSc-Organic Chemistry (BHU), PhD-Synthetic Organic Chemistry (NEHU, Shillong)): Postdoctoral training at Academia Sinica, Taipei (1995-1996) Department of Chemistry, National Tsing Hua University, Hsinchu (1996-1998), Taiwan, Humboldt Fellow at Technical University of Dresden, Germany. Joined at CSIR-IICT as QRS Fellow (1998-2001) Scientist (2002-2006), Senior Scientist (2006-2009), Principal Scientist (2009-till date).

**Academic and Research Achievements:** Working in the area of materials for Health & Energy applications in line with IICT mandate and published articles in high IF journals novel co-adsorbent technology and achieved certified world record efficiency of 11.4% in Dye Sensitized Solar Cells. Leading researcher for the synthesis of ruthenium sensitizers employed in DSSC. Developed technology for the large scale synthesis of Red Dye and Black Dye (DSSC). Part of CSIR flagship programmes such as AcSIR (Faculty), OSDD (antischistosomal agents, antimicrobial and anticancer agents) and TAPSUN (DSSC and OPV). In-charge senior scientist for one of the longest (2001-2015) overseas IICT-Aisin cosmos project on "Photofunctional Materials" (ECF=USD 1155000). Since 2010 worked on three important major projects on solar energy (DST-UK, DST-EU and TAPSUN). For the first time in Hyderabad organized Humboldt Kolleg as a convener, where Professor Helmut Schwarz, President of Humboldt Foundation inaugurated. One of the select speakers among eminent scientists from Hyderabad at "DWIH New Delhi-Excellence on Tour 2013" organized by German House for Research and Innovation (DWIH) on 01. 05. 2013. Invited reviewer for ACS journals (J. Org. Chem., Inorganic Chemistry, ACS Appl. Mat. & Interfaces. Crystal Growth & Design), RSC journals (ChemComm, Dalton Trans, PCCP, J. Mat. Chem., RSC Adv.), Elsevier Journals (Solar Cells, Dyes and Pigments, Org. Elec., Synth. Met., Spectrochimica Acta Part A), Current Science, etc. Delivered 65 invited talks in abroad journals.

**Other Contributions:** Published over 130 research papers in peer-reviewed journals and guided 9 PhD students. Actively involved in various scientific programs, exhibitions, CSIR-interventions for for inculcating scientific temper and inspiring school and college students to take up scientific research as their career.

**Awards and Honors:** Bronze Medal, Chemical Research Society of India (CRSI). Fellow of the Royal Society of Chemistry (FRSC). Fellow of the Alexander von Humboldt (AvH) Foundation, Inst. Org. Chem., TU-Dresden (2003-2004), IAPP, TU-Dresden Germany (2012). Visiting Scientist, National Institute of Materials Science (NIMS), Japan, 2011. Visiting Scientist, Gujarat Energy Research Management Institute (GERMI), Gandhinagar, Gujarat 2013

	<b>Name</b> : Dr. Chary K. V. R. <b>Born</b> : <b>FTSA</b> : TSA/ <b>Address</b> : <b>Mobile</b> : <b>E-mail</b> : <a href="mailto:charykvr@gmail.com">charykvr@gmail.com</a> ,
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B Sc, and M.Sc from Osmania University. PhD (1986) in Chemistry by Osmania University for the work carried out at IICT, Hyderabad on Characterization and Reactivity of Supported Vanadium Oxide Catalysts.

Presently, CSIR-Emeritus Scientist at CSIR-Indian Institute of Chemical Technology, Hyderabad. Worked as Scientist at various levels during 1987-2016 in CSIR-IICT, Hyderabad and superannuated as Chief Scientist. Research areas include Heterogeneous catalysis, Surface science and nanostructured metal catalysts.

#### Research Experience:


Fischer-Tropsch Synthesis, Hydrodechlorination, Hydroprocessing catalysts, Gold Nanoparticles : Supported metal/ metal oxide catalysts, selective catalytic reduction of NO, CO<sub>2</sub> reforming of Methane. Selective Oxidation and hydrogenation, Alkylation reactions, Mesoporous materials, Nanostructured catalysts, Glycerol conversion, Biofuels, Value added chemicals from Biomass compounds.

Published more than 180 papers in peer reviewed international journals (H index:44). Participated in more than 40 national & international conferences. Supervised 32 students for PhD degree and over 40 Masters student's dissertation work.

Postdoctoral Research Associate at the Centre for Applied Energy University of Kentucky, Lexington , Kentucky, USA and at the Department of Fuels Engineering, University of Utah, USA. STA short term visiting Fellowship ( Osaka, Japan), CNRS Visiting Scientist fellowship (France), Visiting Researcher at the Department of Chemistry, Texas A & M University, and College Station, USA, JSPS invitation Fellowship ( Sapporo, Japan), Brain Pool Fellowship (KRICT, Daejeon, South Korea).

Established International S & T collaborations in the area of catalysis under India-Argentina S & T program, Australia-India Strategic Research Fund (AISRF- DST), India-Japan (DST-JSPS), India-UK (DST-British Council), Indo-Russian collaboration under ILTP, India-France collaboration (IFCPAR).

**Honours & Awards:** Young Scientist Award in Chemical Sciences-1989 by Council of Scientific & Industrial Research (CSIR), New Delhi, India; Young Scientist Award in Chemistry -1989 by AP Academy of Sciences, Raman Research Fellowship by CSIR. Fellow of Telangana Academy of Sciences.


	<b>Name</b>	:	<b>Dr. Chetty T.R.K.</b>
	<b>Born</b>	:	03-04- 1949
	<b>FTSA</b>	:	TSA/2006
	<b>Address</b>	:	Emeritus Scientist, NGRI; 16-52/1, Prasantinagar, Uppal, Hyderabad – 500 039;
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	<b>Mobile</b>	:	<b>9885676086,</b>

M.Sc., (Geology) from S V U. Tirupati, 91972) joined CSIR-NGRI (1974), Ph. D 91983), CSIR-Emeritus Scientist at NGRI up to (2011-2014).

**Academic and Research Achievements:** Dr. Chetty has made seminal contributions towards structure and tectonics of Precambrian India, particularly about the Proterozoic orogenic belts of southern India following modern mapping techniques, and provided new geodynamic perspectives for the Precambrian geological evolution of the southern Indian shield. Dr. Chetty was instrumental in the discovery of the richest diamondiferous Kimberlite pipe-7 (Venkatampalle) by stream sediment sampling. His concepts on the Proto-Penner river course and block rotation model are proved to be significant with the recent discoveries of several Kimberlites in south India. His discovery of Kimberlite and the concepts proposed by him provided an impetus leading to the discovery of over hundred kimberlites in India. For the first time, identified and recognized a network of major shear zones, and provided a new regional tectonic framework for the Eastern Ghats Mobile Belt. He was the first to propose concepts like (i) Mesoproterozoic collisional processes, (ii) a collage of juxtaposed terranes, and (iii) the continuation of shear zones into the Ender by Land. Based on extensive field based multi-scale structural studies. He has established that the Cauvery Shear Zone System is a crustal-scale ‘flower structure’ and dextral transpressional tectonic zone related to collisional processes. These features provide insights and significant breakthroughs into the reconstruction models of Rodinia and Gondwana Supercontinents.

**Other Contributions:** Under the umbrella of ‘LEGENDS’- Chetty has organized a 7-day *International Field Workshop across the Southern Granulite Terrain, in 2004*; that fructified in many international collaborative programs.

**Awards and Honours:** National Mineral Award of Ministry of Mines (2006) prestigious international Australian Endeavour Executive Award (2008). INSA-JSPS Fellowship, CSIR-DAAD (Senior) Exchange Fellowship, 1997; INSA-Royal Society Visiting Fellowship, 91987); and visiting professor in many universities of India and abroad. Published over 150 scientific publications and edited two important special issues in ‘Gondwana Research’ and ‘Journal of Asian Earth Sciences’. Dr. Chetty has been associated with many academic bodies like Geological Society of India, Indian Geophysical Union,, Institution of Geoscientists of India, Geological Society of London, American Geophysical Union and International Association of Gondwana Research. the President of the International Association of Gondwana Research (IAGR).

	<b>Name</b>	:	<b>Dr. Das U.N.</b>
	<b>Born</b>	:	28-06-1950
	<b>FTSA</b>	:	TAS/1992
	<b>Address</b>	:	H. No: 8-3-677/26, Yellareddyguda, Hyderabad- 73
	<b>Mobile</b>	:	<b>9849158145</b>
	<b>E-mail</b>	:	<a href="mailto:undurti@hotmail.com">undurti@hotmail.com</a> , <a href="mailto:Undurti@lipidworld.com">Undurti@lipidworld.com</a>

President and CEO, UND Life Sciences, 2221 NW 5<sup>th</sup> St, Battle Ground, WA 98604, USA. Formerly: Professor of Medicine, Nizam's Institute of Medical Sciences, Punjagutta, Hyderabad.

**Academic and Research Achievements:** M.D.OMC,1981SRF and RA of Indian Council of Medical Research and CSIR at Department of Genetics, Osmania University, Hyderabad (1976-1983.); International Union of Biochemistry Fellowship (1982) to visit Flinders University, Adelaide, Australia; Scientist, Efamol Research Institute, Kentville, NS, Canada (1984-1986); Professor of Medicine, Nizam's Institute of Medical Sciences, Hyderabad (9 ½ yrs)-1986-1996; Chief, Department of Medicine. Biochemistry and Clinical Immunology, LV Prasad Eye Institute, Hyderabad (2 ½ yrs)-19896-1999; Chairman and CEO, EFA Sciences, Norwood, MA, USA-(2000-2004); Research Professor of Nutrition, Surgery, Neurosciences and Physiology, SUNY Upstate Medical University, Syracuse, NY, USA-(2001-2003); President and CEO, UND Life Sciences, Battle Ground, WA, USA-2005 to present (> 10 yrs). *Holds 5 USA patents and another 5 from India*; More than 500 research publications Authored 3 books: *A Perinatal Strategy for Preventing Adult Diseases: The Role of Long-chain Polyunsaturated Fatty Acids*. Kluwer Academic Publishers, Boston, 2002.; *Metabolic Syndrome Pathophysiology: The Role of Essential Fatty Acids and their metabolites*. Wiley-Blackwell Publishers, Ames, IA, USA, 2010; Das UN. *Molecular Basis of Health and Disease*. Springer, New York, 2011.

**Other Contributions:** Guided 15 students PhD while at NIMS; Editor-in-Chief of *Lipids in Health and Disease*, Editor-in-Chief of *Current Nutrition and Food Science*, Review Editor of *Nutrition*, an international journal by Elsevier; Academic Editor of *Medicine*, Editorial board member of more than 10 international journals. Visiting Professor to Greece, China, Argentina, USA and Hungarian universities.; Life Member of several professional societies in India and USA.

**Awards and Honors: Awards:** Shakuntala Amir Chand Prize of Indian Council of Medical Research (ICMR)-(1989); Shanti Swaroop Bhatnagar Prize of CSIR-(1992); Dr. Coelho Memorial prize in Experimental Medicine by Association of Physicians of India-(1992); Fellow of the National Academy of Medical Sciences (New Delhi )-(1992); Fellow of Royal Society of Chemistry (London)-(2013); FAMS (Fellow of the National Academy of Medical Sciences (New Delhi)); FRSC (Fellow of the Royal Society of Chemistry (London)); FICP (Fellow of the Indian College of Physicians); Doctor of Science (DSc) of Mangalore University for original work in the area of diabetes mellitus.




**Name:** Dr. Dasharath Ram  
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**Mobile:** 9490748497

Dr Dasharath Ram is the Director of Defense Research and Development Laboratory (DRDL) in Dr Abdul Kalam Missile Complex. With his strong Academic and R&D experience in the field of advanced Manufacturing & Production Engineering, Program/Project Management he is leading, several Missile and Strategic System programs and projects that are progressing with leaps and bounds. He received his B.Tech in Electrical Engineering with Gold Medal from Motilal Nehru Regional Engineering College, Allahabad University in 1984, M.Sc. Engineering in Advanced Manufacturing Technology from Cranfield Institute of Technology, UK in 1992 and Ph.D in 2007.

**Research Achievements:** He had joined DRDL in 1984, significantly contributed to several critical technology development projects which lead to success of many Missiles Systems and transferred to production agencies. As a Programme Director, PJ-10 (BrahMos) he has successfully indigenized many subsystems. With his strong Multi-disciplinary Academic background, published more than 40 papers in International Journals and conferences and evaluated several PhD thesis.

**Awards and Honours:** He has been bestowed with many awards and medals, notably among them are, Commendation Certificate and Award (1989) for contributions to IGMDP, Award for development & fabrication of Torque Shaft components of LCA Rudder Assembly, Swarna Jayanti Award(1999) by Aeronautical Society of India, Eminent Mechanical Engineer Award (2012) by Institution of Engineers (India) and I.T. Mirchandani Memorial Research Award(2013) by Indian Institute of Welding, India. He is a Fellow of Indian National Academy of Engineering, Institution of Engineers (India), Aeronautical Society of India and Indian Institution of Production Engineers.

	<b>Name</b> : Prof. Dashavanth Reddy V. <b>Born</b> : 26-05-1957 <b>FTAS</b> : TAS/2006 <b>Address</b> : CPMB, Osmania University, Hyderabad-500 007 <b>Mobile</b> : (O): 040-27098087; (R) 040-27406590, <b>E-mail</b> : <a href="mailto:vdreddycpmb@yahoo.com">vdreddycpmb@yahoo.com</a> & <a href="mailto:vdreddycpmb@osmania.ac.in">vdreddycpmb@osmania.ac.in</a>
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M.Sc. (OU),(1979) and Ph.D.(OU), (1984) in Genetics joined OU, as Assistant Professor in 1985 and became Professor in 2000. Rockefeller foundation visiting scientist at University of Missouri, USA (1991).


#### Academic and Research Achievements:

Guided 18 Ph.D Students published more than 80 scientific papers in peer-reviewed journals. Carried out structural analysis of Flax, Castor, Citrus and Common bean Cytochrome P450 genes and established their phylogenetic relationships. Isolated a novel salt tolerant *PcSrp* gene from *Porteresia coarctata* and functional analysis of gene has proven its potential for development of crop plants that can be grown in salinity affected soils. Optimized protocols for reproducible high-frequency plant regeneration and genetic transformation in pearl millet and finger millet. Developed transgenics, expressing, *pin / mag / BjNPR1* genes, exhibited high-level resistance to downy mildew in pearl millet and blast resistance in finger millet. S-adenosylmethionine (SAM) synthetase encoding gene of *Bacillus* has been cloned and expressed in the *E.coli* as soluble active form. Structural, kinetic properties and folding pathway of the enzyme established that SAM synthetase as a dimer of dimer with an inter sub-unit active site. A genetically engineered strain of *Pichia pastoris* expressing S-adenosylmethionine synthetase gene from *Saccharomyces cerevisiae* under the control of AOX 1 promoter was developed. The clone cultured in the bioreactor containing enriched methionine medium showed increased wet cell weight (117 g/L) as compared to shake flask cultures and yielded 2.4 g/L S-adenosylmethionine, a molecule with therapeutic potential. Cloned and expressed thermo tolerant phytase gene from *Bacillus*. The novel phytase with broad pH and temperature ranges, high renaturation capability and substrate specificity, makes it as an ideal feed supplement. Developed of a chimeric gene construct coding for 73 kDa fusion protein exhibiting both endoglucanase and phytase activities across broad pH and temperature ranges can be as a potential feed additive. Identified substrate-binding site and elucidated catalytic residue of the phytase from *Bacillus* employing molecular modeling and site-directed mutagenesis. Mutant phytases Y78A/F, derived from site-directed mutagenesis, proved the intrinsic role of Y78 residue in the catalytic activity.

#### Awards and Honours:

Fellow of the National Academy of Sciences, India, Meritorious Teacher Award of the Govt. of Andhra Pradesh (2009) and Andhra Pradesh State Scientist Award (2010).




	<b>Name:</b> Prof. Debasis Chakraborty <b>Born:</b> 24-11-1959 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> <b>Director, Centre of Propulsion Technology</b> Indian Institute of Technology, Main Building, Ground Floor, Powai, Mumbai-400076 <b>E-mail:</b> <a href="mailto:debasis_copt@iitb.ac.in">debasis_copt@iitb.ac.in</a> , <a href="mailto:debasiscf@gmail.com">debasiscf@gmail.com</a> , <b>Mobile:</b> 91-9440909964, 91-9372745783 (Mobile)
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**Prof. Debasis Chakraborty** got his M.Sc in Applied mathematics from Jadavpur University in 1983 and M. Tech in Computational Mechanics from IIT, Kharagpur in 1985. He has obtained Ph.D. in Aerospace Engineering from IISc, Bangalore in 1999. Title of his doctoral thesis is “Confined Reacting Supersonic Mixing Layer – A DNS Study with Analysis of Turbulence and Combustion Models”. He has worked for 35 years in VSSC/ISRO and DRDL/DRDO on many practical aerodynamics and propulsion design problems pertaining to ISRO’s satellite launch vehicles and DRDO’s strategic and tactical missiles. He has developed number of industry standard compressible CFD codes (RANS and LES) for aerodynamic and propulsion characterization of different kind of aerospace vehicles. His contributions in CFD simulations of external and internal flows has enabled the designers to take some standalone design decision based on numerical results without any experimental testing. He has occupied many important positions in DRDL including Divisional Head, Computational Combustion Dynamics Division, Technology Director, Computational Dynamics, Group Director (Design) and associate Director (Technology) etc. He has guided a team of scientists for the design and analysis of various strategic and tactical missile system. On superannuation from DRDL as outstanding Scientist, he has joined the Aerospace Engineering Department as professor. In addition to his teaching assignments, he has taken over as Director of Centre of Propulsion technology- a bi-nodal Centre between DRDO, IIT(Bombay) and IIT(madras and guiding various critical propulsion research activities for defense applications.

**Academic and Research Achievements:** He was AICTE-INAE Distinguished Visiting Professor in Aerospace Engineering at Indian Institute of Science (IISc) in Bangalore during 2007-2009 and Visiting professor at Center for Modeling, Simulation and Design (CMSD), University of Hyderabad in 2010. He has guided many Ph.D., M.S, and M.Tech students from IISc, IIT(Hyd), IIT(B), DIAT and examined ph.D thesis of many reputed institutions. He has published more than 240 papers in various peer-reviewed journal and conference. He is the editorial board members of many journals and guest edited a special issue of Defense Science Journal on CFD.

**Other Contributions:** He is the expert member / Chairman of many national research program including National Center for Combustion Research and Development (NCCRD), National Super Computing Mission (NSM), different panels of AR&DB, Member for Sectional Committee of INAE etc. He is the expert member for recruitment /Promotion of faculty members / Scientists of many premier academic institutes and research organizations.


**Awards and Honors:** He was elected fellow of Indian National Academy of Engineering (INAE), Aeronautical Society of India (AeSI), Institute of Engineers (IEI). He has received many awards including DRDO scientists of year award, DRDO award for Best innovation /futuristic Development, 2010, Technology Group award (Group leader) of DRDL for 2008, Aerospace Engineering Division prize, Institute of Engineers (India), 2007, 2013 etc.

	<b>Name:</b> Prof. Dhana Raju R. <b>Born:</b> 10-12-1942 <b>FTAS :</b> TAS/2002 <b>Address:</b> 1-10-284/1, Lane No. 5, Brahmanwadi, Begumpet, Hyderabad-500 016 <b>Mobile:</b> 9440337457/8008889060; Tel.: +91 40 2956 8981 <b>E-mail:</b> <a href="mailto:ghanaraju.reddi@gmail.com">ghanaraju.reddi@gmail.com</a>
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**Academic and Research Achievements:** M.Sc. (Geology)-1965 & Ph.D. (Mineralogy and Petrology)-1970 from the Andhra University, Visakhapatnam. CSIR Pool Officer (1971-1973); Scientific Officer, C- to H-grade in the Atomic Minerals Directorate (AMD) (1973-2002), Associate Director (2000-2002); Visiting Professor in the Dept. of Applied Geochemistry, Osmania University, Hyderabad (2005-2008). *Published* 167 research papers in peer-reviewed national and international journals from 1966 to 2019. *Authored 4 books:* 3 published by the Geological Society of India, Bangalore on 'Radioactive Minerals' (65 p., 2005); 'Handbook of Mineral Exploration and Ore Petrology: Techniques and Applications' (494 p., 2009) and 'Handbook of Geochemistry: Techniques and Applications in Mineral Exploration' (520 p., 2009); and 1 on 'Indian Uranium Deposits', published by the Cambridge Scholars Publishing, the UK. *Edited 3 special issues* of AMD's Journal, EAFAM on 'Rare Metal & Rare Earth Pegmatites of India' (v. 12, 1999), 'Beach and Inland Heavy Mineral Sand Deposits of India' (v. 13, 2001) and 'Uranium Deposits of India' (v. 14, 2002). *Guided 7 officers* of AMD for their Ph.D. in Geology in the Universities of Osmania and Bangalore. *Adjudicator* for a few Ph.D. theses in Geology. Member of the Res. Advisory Comm. of the Wadia Institute of Himalayan Geology, Dehradun and Deep Continental Studies (DCS) of DST, Gol.

**Other Contributions:** *Petro-mineragraphic characterization of Uranium ores* from numerous deposits at Tummalapalle, AP; Gogi, Karnataka; Gomaghat-Domiasat-Wahkyn, Meghalaya; and Turamdih-Narwapahar-Jublatola-Mohuldhi in the Singhbhum shear zone, Jharkhand; prospects and occurrences of diverse origin in India. *Resource evaluation of valuable heavy minerals (VHM)* in mineral sands like the ilmenite, rutile, zircon, garnet and sillimanite in beach and dune mineral sands in parts of the East Coast of India. *Developed the technique of the WDXRFs-based rapid, non-toxic & accurate determination of VHM* in mineral sands. *Demonstrated a quick technique to obtain different generations of pure minerals* from rocks and ores for isotopic analysis, using dentist's micro-drill and microscope. *Established the usefulness of the technique of Natural Thermo-Luminescence (NTL) on rocks and ores* for (i) delineation of U- & RM-mineralized zones and (ii) classification of different metamorphic rock types in a suite. As a '*Consultant in Mineral Exploration*', presented road-maps to explore, evaluate and exploit the U-ore in parts of Niger and heavy minerals in mineral sands in parts of Malawi and Mozambique. *Resource Person in Geology* for the Training Institute of the Geological Survey of India, Hyderabad. *Delivered lectures* to the M.Tech. students in Mineral Exploration in the University of Hyderabad, besides many invited lectures in Economic Geology, Mineral Exploration and Radioactive Minerals in the Departments of Geology in the Universities at Hyderabad, Mysore, Bangalore, Visakhapatnam, Sandur and Kadapa.

**Awards and Honors:** Geological, Mining & Metallurgical Society's Medal – 1974; National Mineral Award (Mineral Exploration) - 2002; S. Narayanaswamy Award in Economic Geology - 2003; Prof, PRJ Naidu Gold Medal - 2003; Bharat Excellence Award - 2011; IBC's (Cambridge) Leading Scientists of the World – 2012. Life Fellow/Member of the Geol. Soc. of India, Geol., Mining & Metallurgical Soc. of India, Indian Soc. of Appl. Geochemists, South Asian Association of Economic Geologists & Ind. Physics Assoc.


	<b>Name:</b> Dr. DIBAKAR DAS <b>Born:</b> 18-11-1971 <b>FTAS:</b> TAS/ 2016 <b>Address:</b> School of Engineering Sciences and Technology, University of Hyderabad, Hyderabad -500046 <b>E-mail:</b> <a href="mailto:dibakar1871@gmail.com">dibakar1871@gmail.com</a> <b>Mobile:</b> 91-9581048798
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B. Tech. (Chemical Technology with specialized in Ceramic Engineering), Calcutta University, 1996. Ph. D. (Metallurgical and Materials Engineering), IIT Bombay, 2004 on “Structural and Microstructural Tuning in Colossal Magneto resistive Oxides”. Post-doctoral research assistant, University of Cincinnati, 2004-2007 and Senior Scientist, M/s Sinmat Inc., Gainesville, Florida USA, 2007-2009. Joined University of Hyderabad in 2009 as an Assistant Professor and since 2016 a full Professor in the School of Engineering Sciences and Technology, University of Hyderabad.

**Academic and Research Achievements:** Guided 10 Ph. D. students and 18 M. Tech students, Research interest in functional ceramics, viz. piezoelectric, microwave dielectric and magnetic ceramics, biological application of magnetic nanoparticles and surface modification of semiconductor wafers. Developed a novel processing of lead-free piezo-ceramics with exceptionally high piezo-properties ( $d_{33} > 700$  pC/N) Developed a novel method for processing of BZT ceramics for microwave (MW) window application in fusion reactors work. Developed a novel abrasive free CMP (AFCMP) technology for nitride and carbide surfaces. One granted US patent and 3 filed Indian patents to his credit. Published more than 80 peer reviewed articles in journals.

**Other Contributions:** Developed a proprietary CMP process, where a factor of 200 and 1500 times enhancement in MRR has been observed on Si- and C- face, respectively, of single crystal SiC wafers. Developed the process, scaled it up and commercialized the technology.

**Awards and Honors:** Recipient of Gold Medal from Calcutta University, UGC scholarship and National Merit Scholarship from MHRD, Govt. of India. Elected fellows of Telangana Academy of Sciences (TAS) and Indian Institute of Ceramics (IIC). His work on chemical mechanical planarization (CMP) won 2008 R&D 100 award for invention on CMP Slurry for Polishing Wide Band Gap Semiconductors, 2009 Frost & Sullivan North American Excellence in Research of the Year Award in the field of advanced semiconductor surface modification.


	<p><b>Name:</b> Dr. Dimri V.P.</p> <p><b>DOB:</b> 11-02-1948</p> <p><b>FTAS:</b> TAS/1997</p> <p><b>Address:</b> INSA Senior Scientist, Former CSIR-Distinguished Scientist, Former NGRI Director, Uppal Road, Hyderabad</p> <p><b>Mobile:</b> 7799043000.</p> <p><b>E-Mail:</b> <a href="mailto:ypdimri@gmail.com">ypdimri@gmail.com</a></p>
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PhD from the Indian School of Mines, Dhanbad. He joined the National Geophysical Research Institute (NGRI), where he is the Director since 2001. He has been a post-doctoral Fellow in Norway (1986-88) and has held the Senior DAAD Fellowship (2001). He is also Adjunct Professor of the University of Hyderabad; IIT, Kharagpur; and Honorary Professor of Andhra University, Visakhapatnam.

**Academic and Research Achievements:** During Dimri's tenure as Director, NGRI has emerged as a major international centre of research in geosciences, commercializing its first US Patent. Dr Dimri designed major scientific programmes in Ocean Studies, Energy Security, Water Security and Risk Assessment. His experience in acquiring, processing and interpreting marine geophysical data helped him to formulate two major national programmes at NGRI, namely, Gas +Hydrates and Legal Continental Shelf. He is pioneering a pilot project to enhance oil recovery from Indian oil wells in collaboration with Norwegian scientists. Dr Dimri has launched a very successful project in Nalgonda district of AP for assessment, management and exploration of groundwater in hardrock terrains for fluoride free water supply. He has about hundred international and national publications and three filed patents.

**Other Contributions:** Dr Dimri authored/edited three books entitled *Deconvolution and Inverse Theory* (Elsevier), *Application of Fractals in Earth Science* (Balkema, USA) and *Fractal Behaviour of the Earth System* (Springer, Germany). His first book was declared as a 'Didactical Masterpiece' and reference book in the field of inversion. He is the Chairman of the Research Advisory Council of the Indian Institute of Geomagnetism (IIG), Mumbai and is President of Indian Geophysical Union. He was holding the prestigious Chair position of the National Committee of International Union of Geodesy and Geophysics & International Geographic Union (IUGG-IGU). Dimri served INSA Council as its Member during 2004-06.


**Awards and Honours:** Dr Dimri is the first Asian recipient of the prestigious Lorenz Award of American Geophysical Union. He has also received National Mineral Award, DOD Award, Outstanding Scientist Award of FAPCCI, Professor GP Chatterjee Award of ISCA, etc. Dr Dimri has been conferred with the Fellowship of National Academy of Sciences (India), Allahabad and AP Akademi of Sciences.

	<b>Name</b> :	<b>Dr. Dinesh Kumar B.</b>
	<b>Born</b> :	13-12-1958
	<b>FTAS</b> :	<b>TAS/2013</b>
	<b>Address</b> :	Scientist F, NIN, Hyderabad 500 007
	<b>Mobile</b> :	09849082088
	<b>Email</b> :	<a href="mailto:nindineshpct@gmail.com">nindineshpct@gmail.com</a> , nindinesh@rediffmail.com

**Academic and Research Achievements:** Doctorate in Pharmacology (faculty of medicine), Head Department of Drug Division and Co-ordinator Preclinical Toxicology, NIN for over 32 yrs in various capacities. As a Pharmacologist associated in establishing State-of-Art facility at Centre for Advanced Research for Preclinical Toxicology (established in 1999 by ICMR at NIN) with team of scientists. Main areas of work i. Preclinical safety / efficacy evaluation of Biopharmaceuticals, GMOs, etc., ii. Social Drug Epidemiology, iii. Detection of early Lead toxicity & prevention.

**Other Contributions:** A challenging work has been undertaken on preclinical safety evaluation of indigenously developed Recombinants, r-DNA anti rabies, Human Papilloma Vaccine (HPV), innovative therapies (Human Adult Mesenchymal Stem Cells (MSCS) and GMOs. Major contribution is not only to make a Centre self sustained but establishing a successful model of Public-Public, Public-Private Partnership Collaborative Centre of ICMR. More than 45 different products have been screened and 20 of them are translated in clinical use or in clinical trial. As a part of intervention to promote Rational Drug use and Prevent Lead Toxicity, two education films have been developed.

**Awards and Honours:** Involved in Developing guidelines for pre /clinical trials in ASU Drugs, Drafting the guidelines for Accreditation of Ethics Committee, Clinical Trial Sites and Investigators for MoH & FW, GOI., rules for financial compensation in the case of trial related injury or death. Held Norman Borlaug fellowship, acted as GLP Trainer for South East Asian Countries (WHO-TDR), National President- Indian Pharmacological Society (2014-2016). Completed several National International projects and many publications in peer reviewed journals.


	Name : <b>Prof. Dinker Sirdeshmukh</b> Born : 04-04-1934 FTAS : TAS/1991 Address : (Former Professor, Dept. of Physics, KU), Nanda-Deep, 23A, Old Santosh Nagar Colony, HYDERABAD-500 059 Mobile : 9848055653 E-Mail : <a href="mailto:dsirdeshmukh@yahoo.com">dsirdeshmukh@yahoo.com</a>
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**Academic and Research Achievements:** Ph.D. OU, (1963) for X-ray Studies of some Crystals at Elevated Temperatures. Conducted research for the next forty years in various aspects of Solid State Physics like X-ray crystallography, thermal and mechanical properties of solids and crystal growth. In particular, he designed several X-ray cameras which are considered import substitution. Guided 15 Ph.D. and M.Phil. students. Published more than a hundred research papers in international journals including 4 Review and 2 book-contributions. Was chief investigator for research projects funded by the UGC, CSIR and the DST. The research group generated basic physical properties of nearly a hundred crystals. A science teacher: Joined the Osmania University in 1961 as lecturer in physics. Worked as reader at the P.G. Centre, Warangal. Was the first professor to be appointed in 1977 at the newly founded Kakatiya University at Warangal. Was designated Fulbright Visiting Professor by the US National Science Foundation (1980-81). Was bestowed the Best Teacher Award in 1982 by the A.P. State Govt. Was designated Professor Emeritus by the U.G.C. (1998-2000).

**Other Contribution:** as Head of the Department of Physics for a decade, developed physics education by introduction of new courses and electives and by modernisation of laboratories. As the Coordinating Officer, helped the university in strengthening science faculty, in securing central finances for introduction of new departments and for sophisticated instruments for research. As Dean, College Development Council, was instrumental in modernising undergraduate science education in four districts by starting new subjects like electronics, instrumentation, computer science and microbiology. Since retirement in 1995, engaged in writing books useful for researchers and post-graduate students. In these twenty years the following books were published: (1) Experiments in Solid State Physics (South Asian Publishers, 1998, 2007) (2) Alkali Halides : A Handbook of Physical Properties (Springer, 2001). (3) Micro and Macro Properties of Solids (Springer, 2006), (4) Atomistic Properties of Solids (Springer, 2011) (5) Electrical Electronic and Magnetic Properties of Solids (Springer, 2014).

**Awards and Honors:** Association with APAS/TSAS: was elected a fellow of the then APAS in 1991. Was nominated Convener of the Warangal Regional Centre in 1992. This period (1992-1996) witnessed unprecedented activity. Nearly twenty senior scientists from all over the country visited Warangal to deliver talks. A National Seminar on Materials for Development was organised. To join hands with the University in strengthening new science courses, the regional centre organised Refresher Courses in Instrumentation, Computer Science and Microbiology for young teachers. Was responsible for the creation of 4 Endowments in the K.U. Region. Was elected member of the Executive Council and subsequently as Vice-president during 2001-2003.




	<b>Name:</b> Dr. Eswara Prasad N. <b>Born:</b> 05-08-1962 <b>FTAS:</b> TAS/2011 <b>Address:</b> 2/20, Bahar-B, Sahara States, Mansoorabad, LB Nagar, Hyderabad-500 068 <b>Mobile:</b> 9490754173, <b>E-mail:</b> <a href="mailto:neswarap@rediffmail.com">neswarap@rediffmail.com</a> ;
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### Academic and Research Achievements:

Has over two decades of research experience in the broad areas of Materials Development, Mechanical Metallurgy and Fatigue & Fracture Behaviour of Structural Materials with special emphasis on the development of structural aluminum alloys & their composites, advanced ceramics and their composites including the continuous fibre ceramic composites (CFCCs), besides work on many other materials. The research work conducted so far has resulted in the publication of nearly 80 original technical papers in peer reviewed international journals, conference proceedings as well as several comprehensive technical reports and a large number of unreviewed data compilations. Development of Advanced Structural Materials – Al Alloys, MMCs, Intermetallics Ceramics & CMCs, Nano-Materials & Nano-Composites. (ii) Fatigue, Creep and Damage Tolerance Based Design of Structures. (iii) Micro- & Macro- Mechanisms of Fatigue and Fracture Behaviour.

**Other Contributions:** Officer on Special Duty (OSD) to Director, DMRL 2 - Co-chairman, Technical Events Committee of 22nd National Convention of Metall. and Mater. Engineers and National Seminar on Advanced Materials: Characterisation & Processing of Institute of Engineers (India), APSC, Hyd. – 2009. - Member (Materials), Group for Forecasting and Analysis of Systems and Technologies (G-FAST), Office of Scientific Advisor to Raksha Mantri, DRDO HQs, New Delhi (2006-2008) - Editor, The Transactions of Indian Institute of Metals (2004-Till Date) - Principal Coordinator for DRDO Materials Programme (DMP). - Convener, DRDO Mission Mode Programme on Aluminium Alloys - Convener, DRDO Programme on Nano-Technologies - Editor, DMRL in-house Publication – “Dhatu Drishti”, 2002-2006. - Editor, DMRL Annual Reports, 2000 – 2006. - Member, DMRL Technology Council, 2002 – 2006. - Chairman, Recruitment committee for Scientific Assistants for DMRL for 2004. - Member, Task Force for Technology Assessment and Forecasting of DMRL. - Member, Technical Committee for 47th Annual Technical Meeting of IIM for 1993. - Convenor, Continuing Education Programmes (CEPs) for DMRL for 1995 & 1996.

**Awards & Honors:** Elected as Fellow of Institute of Engineers (FIE) India in the year 2009 for the scientific and technological contributions in the field of Metallurgy and Material Science. \*\* Recipient of Binani Gold Medal for the year 2006 for being the principal author of Best Paper of Transactions of Indian Institute of Metals in the Non-Ferrous Materials Category. \*\* Awarded a Research Fellowship by the esteemed Alexander von Humboldt (AvH) Research Foundation of Bonn, Germany for the years 1998 and 1999. \*\* Has been a Visiting Scientist at the Max-Planck-Institute (MPI) fuer Metallforschung, Stuttgart, Germany for the years 1998 and 1999. \*\* Recipient of Young Metallurgists’ Award of the Indian Institute of Metals (IIM) for year 1994. \*\* Recipient of Young Scientist Award of the Indian Science Congress Association (ISCA) for the year 1991.


	<p><b>Name:</b> Dr. FRANCIS P A.</p> <p><b>Born:</b> 01-06-1976</p> <p><b>Elected:</b> TAS / 2018</p> <p><b>Address:</b> Indian National Centre for Ocean, Information Services (INCOIS), Ministry of Earth Sciences, Govt. of India, Pragathinagar, Hyderabad-500090</p> <p><b>E-mail:</b> <a href="mailto:francis@incois.gov.in">francis@incois.gov.in</a>, <a href="mailto:francis.pa@gmail.com">francis.pa@gmail.com</a>,</p> <p><b>Mobile:</b> 91-9441809878</p>
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M. Sc. (Meteorology), Cochin University of Science and Technology, 2000. M. Sc. Engineering (Atmospheric/Ocean Sciences), CAOS, Indian Institute of Science, 2002. Ph. D. (Atmospheric/Ocean Sciences), CAOS, Indian Institute of Science, 2002 on “Extremes of Indian Summer Monsoon Rainfall, ENSO and Equatorial Indian Ocean Oscillations”. Worked in Lamont-Doherty Earth Observatory of Columbia University, New York with START fellowship award in 2005. Joined INCOIS in 2006 as Scientist-C and Presently Scientist-E and Head, Ocean Modeling and Data Assimilation Group, INCOIS.

**Academic and Research Achievements:** Guided 1 Ph. D. student and 14 M. Sc./M. Tech students. Presently 6 students are doing Ph. D. with him., Research interests in numerical Ocean circulation modeling, Indian summer monsoon variability and Indian Ocean variability. Developed High-resolution Operational Ocean Forecast and reanalysis System (HOOFS) and discovered Equatorial Indian Ocean Oscillation (EQUINOO). Published more than 25 peer reviewed articles in SCI journals.

**Other Contributions:** Customised Regional Ocean Modeling System for the Indian Ocean and for the coastal waters around India. Discovered strong link between EQUINOO and the interannual variability of Indian summer monsoon.

**Awards and Honors:** Recipient of National Geosciences Award (2014) constituted by Ministry of Petroleum and Mines Govt. of India, Merit Certificate (2010) of Ministry of Earth Sciences, Govt. of India, START Young Scientist/Research Fellow award (2005) constituted by START international secretariat, Washington DC and CV Kurian Endowment Award (2000) from Cochin University of Science and Technology.


	<p><b>Name:</b> Dr. Ganesh Kumar C.</p> <p><b>Born:</b> 16-04-1965</p> <p><b>Elected:</b> TAS/2016</p> <p><b>Address:</b> CSIR-IICT, Hyderabad 500007; H-No.1-9-241/17, Sri Sai Krishna Enclave, V.N. Reddy Nagar, Kushaiguda, Hyderabad 500 062</p> <p><b>Mobile:</b> 9550092394</p> <p><b>E-mail:</b> <a href="mailto:cgkumar.iict@gov.in">cgkumar.iict@gov.in</a>, <a href="mailto:cgkumar5@gmail.com">cgkumar5@gmail.com</a>,</p>
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M.Sc. Microbiology from SKU, Anantapur and Ph.D. National Dairy Research Institute, Karnal. At present, Principal Scientist at (CSIR-IICT). Before joining IICT, he had post-doctoral studies at Bose Institute, Kolkata, India (1999-2001); College of Medicine, Inha University, Inchon, South Korea (2001–2003) and Japan Society for Promotion of Science (JSPS) post-doctoral fellow, National Institute of Advanced Industrial Science and Technology, Sapporo, Japan (2003-2005).

**Academic and Research Achievements:** Major research focus on extremophiles, biosurfactants, bioactive compounds, bioethanol, biocatalysis and nanobiotechnology. Identified some new microbial-derived polymeric biosurfactants such as Kocuran, Ochrosan, Microsan and Brevisan which function as immunomodulating agents. Some of these polymeric biomaterials functionalized on gold and silver nanoparticles were conjugated with bioactive compounds like Resveratrol and Miconazole for use as Nano-Drug Delivery Systems (NDDS) for cancer and antifungal therapy.

**Other Contributions:** Improved the fermentation efficiency of some promising yeast strains to produce bioethanol from sweet sorghum juice (First generation biofuels) as part of NAIP (ICAR) network project. Bioconversion aspects of sweet sorghum and pearl millet bagasse to produce cellulosic bioethanol (Second generation biofuels) under the Indo-US Joint Clean Energy Research and Development Centre (JCERDC) Consortium funded by IUSSTF.

**Awards and Honours:** Fellow of various academies and societies such as National Academy of Agricultural Sciences; Biotech Research Society of India; Association of Microbiologists of India; National Academy of Biological Sciences; Mycological Society of India; Association of Biotechnology and Pharmacy and Society for Applied Biotechnology. Received several awards including AMI-Louis Pasteur Award (2017); Dr. G.S. Venkataraman Memorial-NABS Best Scientist Award (2016); ABAP-Senior Scientist Award (2014); CSIR-IICT Gaurav Samman Award (2013); SAB-Eminent Bioengineer Award (2010); AMI-Young Scientist Award (2000); JSPS Post-doctoral Fellowship for Foreign Researchers, Japan (2003-2005); *Deutscher Akademischer Austauschdienst* (DAAD) (1996) and *Stifterband für die Deutsche Wissenschaft* (Unilever Research Foundation) (1996) Research Fellowships from Germany.


	<b>Name:</b>	<b>Dr. GANGADHAR RAO P.</b>
	<b>Born:</b>	31-12-1950
	<b>FTAS:</b>	TAS/ 2010
	<b>Address:</b>	Flat C-212, May Flower Heights, Nacharam-Mallapur Road Opp: NOMA Talkies, Mallapur, Hyderabad - 500076
	<b>E-mail:</b>	<a href="mailto:pgrao42@hotmail.com">pgrao42@hotmail.com</a>
	<b>Mobile:</b>	91-9435052702

B. Tech (Chemical Engineering) from REC (NIT), Warangal in 1974, M. Tech in Chemical Plant Design in 1976 and Ph D in 1995 from IIT, Madras. Visited more than 10 countries as a member of the delegation for business development, as an invitee to deliver lecture and as a member of the project team. Formerly served as Director of CSIR-North East Institute of Science & Technology from 2002-2012, then as CSIR Technical consultant from 1<sup>st</sup> Jan 2013 to 31 October, 13, Hon. Pro Chancellor of USTM from May 2013 and its VC from 2<sup>nd</sup> June 2014 to Oct 2017. Currently serving as CSIR Distinguished Scientist at IICT, Hyderabad since April 2018.

**Academic and Research Achievements:** Published 99 peer reviewed articles in international journals, 35 in Indian journals, 70 papers presented in national and international seminars, proceedings, have 21 patents (sealed), 3 copy rights, 2 books and 10 chapters in books, 10 Technologies developed and 8 of them were commercialized. Guided 10 Ph D students. Occupied various positions of Scientist at CSIR-NEIST and CSIR-CLRI and specialized in chemical process development & design, safety, and Industrial complexes development. Successfully completed 100 projects in all in Inhouse R&D, Sponsored, Consultancy, Grant in Aid, Mission mode and Techno Economic Feasibility studies. Served as honorary faculty in Anna University, Jorhat Engineering College, member of the AC of Tezpur University, Member of EC of Assam University and Member of Court of NEHU, Shillong,

**Other Contributions:** At NEIST, Jorhat, as Director, apart from, improving the performance and visibility of the Institute, has encouraged science popularization especially among school children in NE, and in making the output of science & technology reach to society through knowledge dissemination. Fellow of National Academy of Sciences, Institution of Engineers, Andhra Pradesh and Indian Institute of Chemical Engineers and also it's past President.

**Awards and Honors:** Recipient of three CSIR Technology Awards, Eminent Engineer award from Institution of Engineers, Distinguished Alumni Award form NIT, Warangal, and Eminent Educationist awards from Social Organizations.

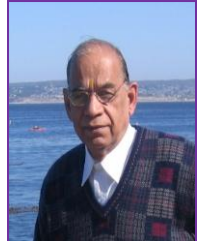
	<p> Name : <b>Dr. Garudachar B.N.</b>  Born : 27-03-1935  FTSA : TSA/1989  Address : Apt.No-102, R &amp; S Ville, 27, 18<sup>th</sup> Cross Road Between  11<sup>th</sup> And 12<sup>th</sup> Main,Opp. Nirmala Rani High School,  Malleswaram West P.O., BANGALORE-560 055  E-Mail : <a href="mailto:garudachar.bn@gmail.com">garudachar.bn@gmail.com</a>  Mobile : 9972112587 </p>
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B.E (Elec.) OU, (1954), pursued post graduate studies at IISc Bangalore in Power Engg followed up by MS & Ph.D at University of Wisconsin, USA. The record of being the youngest PhD in Electrical Eng'g set up in 1958 remained unbroken till late eighties. With two years of post doctoral work in US served a short stint with the Department of Technical Education, A.P till 1964 to be appointed as Post-Graduate Professor in Electrical Eng'g at an young age of 32 and served the University till 1995.

**Academic and Research Achievements:** Served Osmania University in various capacities such as Dean of Engineering, Principal, University College, Member of University Syndicate, Founder Director of \$ 5 Million Joint project international Labour Organization, Swedish and Indian Governments for setting up an advanced training Institute for Electronics at Hyderabad. Founder Head and Professor of Dept. of Computer Science & Engineering 1985 to 1993 to secure a 2 ½ Crore Project IMPACT within 4 years of founding putting O.U on the IT map of A.P as a leading centre of learning & research.

**Other Contributions:** Delivered lectures at several U.K & European institutions visiting Professor University of Science & Technology, Algeria, widely traveled in US, UK and the far East. Member of GOI commission Higher Education to Egypt, Fellow of the A.P Academy of Sciences, Member of CSI Institute of Engineers. Served on several high level policy making bodies of UGC, AICTE, A.P State Council for S&T, APSCHE. Served as Chairman/Expert Member, AICTE Accreditation Team & UGC Deemed University.

**Awards and Honors:** Recipient of HEH Nizam's Scholarship for higher studies abroad, Roger Bacon Fellow of University of Wisconsin, Best Teacher Award 1985, UGC National Professor. Currently involved in Developing & Consolidating Technological Institutions Relating to Information, Communication & Electronics.

	<p> Name : <b>Dr. Gautam Naresh Chandra</b>  Born : 05-07-1941  FTSA : TSA/1993  Address : 25-24/1, East Ananad Bagh, Behind South Indian Bank, Malkajgiri, SECUNDERABAD-500 047  Mobile : 9849201947  E-Mail : <a href="mailto:ncgautam@yahoo.com">ncgautam@yahoo.com</a> </p>
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Dr. Naresh Chandra Gautam, Director, Centre For Land Use Management (CLUMA), Hyderabad is technical and strategic advisor to several startups and prestigious organizations in the field of Remote Sensing, Geographic Information System, Land Use Management and Urban Planning.

**Academic and Research Achievements:** Visiting Professor California University, Riverside, USA ; Attended Remote Sensing meet at Hanoi, Vietnam; Visited Trieste University, Trieste , Italy; Received D.Lit. Degree from University of Washington, USA ; Attended IGES meet Tokyo, Japan; Attended LUCC, IGBP meet, Barcelona, Spain; Attended IGRASS 97, Singapore; Attended International Conference (IGU-LUCC, 97), Australia ; Leadership Award by Soil Conservation Society of India, Delhi; Attended Open Science meet at Amsterdam, Netherland; Visited Asian Institute of Technology (AIT), Bangkok, Thailand; Visited FAO (Food & Agricultural Organization), Italy; Visited Toulouse, France for Remote Sensing Training; Visited University of California, Riverside, USA; Visited EROS Data Center Suixful, South Dakota, USA; Visited Perdue University, Perdue, USA; Visited USGS, Flagstaff, Arizona, USA; Awarded Ph.D. Degree by Rajasthan University, Jaipur ; Joined National Remote Sensing Centre (ISRO), Hyderabad ; Trained at IPI & Indian Institute of Remote Sensing (IIRS), Dehradun (6 month); Worked as a Lecturer in Rajasthan University, Jaipur ; Joined Jodhpur University, Jodhpur, Rajasthan; Post Graduate Merit Award in Master of Arts, Agra University

**Other Contributions:** Books Published: Methodology for Land Information System (LIS) and Cadastral Survey & Mapping; Guide Lines for Ground Truth Collection-2006; Natural Resources Classification System-2005; Space Science & Technology for Geography Research Applications-2005; Atlas on Power of Land use-2004; National Land use/ Land cover classification system-2004; Methodology for Land use Planning-2002; Fundamentals of Geographical Information System (GIS)-1993; Waste lands in India-1988; Suggested National Land use / Land cover classification system – 1982; Urban Land use Studies through Aerial Photo Graphs – 1978; Published 75 research papers in National & International Journals; Books Under Publication:Overcoming The Five Temptations, A official Guide for CEO's Managers, Facilitators, Leaders – 2014; Wet lands in India – 2014; Remote sensing & its applications – 2014; Mangrove Forests in India – 2014

**Awards and Honors:** Received Excellence Award for India & International Cooperation by FFI, New Delhi; Received Bhoovigyan Ratna Award along with Rs. 1,00,000/- (Rupees of One Lakh) by B. V. Foundation, New Delhi (Awarded by Vice President , Govt. of India); Invited to deliver Lectures by Asian Institute of Technology (AIT), Bangkok, Thailand; Invited by Trieste University, Trieste, Italy to deliver lectures; Received Best Citizen of India Award by International Publishing House, New Delhi ; Received Gold Medal of Honor by American Biographical Institute, Washington, USA ; Received UWA Life Achievement Award by UWA, Chennai India; Leadership Award by Soil Conservation Society of India, New Delhi.




	<p><b>Name:</b> Dr. Geeta K Vemuganti</p> <p><b>Born:</b> 24-01-1960</p> <p><b>FTAS:</b> TAS/2017</p> <p><b>Address:</b> Professor, School of Medical Sciences, Univ of Hyderabad, Gachibowli, Hyderabad-500046</p> <p><b>Mobile:</b> 9399986909</p> <p><b>E-mail:</b> <a href="mailto:gkvemuganti@gmail.com">gkvemuganti@gmail.com</a>, <a href="mailto:gvmd@uohyd.ernet.in">gvmd@uohyd.ernet.in</a></p>
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**Qualifications and Experience:** MBBS- JLN Medical College, Ajmer (Unv of Rajasthan), MD Path- Nizams institute of Medical Sciences, DNB, New Delhi. Ocular Pathology training at AFIP, Washington DC, Wills Eye Hospital, Philadelphia, Doheny Eye Institute, California. Visiting Faculty at the University of Chicago, USA (2000, 2005) and University of Rochester (2008- 2013)

**Academic and Research Achievements:** Dr Geeta K Vemuganti is a physician scientist who has contributed to clinical and scientific field in areas of Ocular Pathology and Stem cell Research. She made many landmark studies on pathogenesis of fungal corneal ulcers, genetic basis of corneal dystrophies, ocular tumors . which restoration of vision to many patients suffering from chemical injury induced blindness. developed co-culture of limbal and conjunctival epithelial cells for clinical transplantation, establishing cultured oral mucosal cells as a substitute for ocular cells, reporting the presence of limbal stroma specific mesenchymal stem cells similar to BM MSC cells. Characted human BM mesenchymal stem cells Identification of cancer stem cells in intraocular retinoblastoma. She established human lacrimal gland cultures that provided evidence of stem cells as well as secretion of tear substances in culture system.

**Other Contributions:** She has 200 publications, in peer revied journals. She mentored many graduation students, international ophthalmic societies and ophthalmic pathology society and an member of editorial board .

**Awards and Honors:** Editorial and Consensus meeting member WHO on classification of eye tumors (2018), American Academy of Ophthalmology Senior Achievement Award (2017), Vishtha Puruskar from Dr Ramineni Foundation, USA, (2017), , UGC-UKIERI grant award (2016), Indian College of Pathology Oration (2015), Distinguished Lecture Schepen’s Eye Research Institute, Harvard Medical School, Boston, (2014), ARVO/Merck Collaborative Research Fellowship Award (2013), Lt Gen M A Baig Shaheed Memorial lecture, SAARC SAARC Academy of Ophthalmology and 16<sup>th</sup> Islamabad Congress of Ophthalmology (2013), BCI\_Council – Knowledge Economy Partnership award (2012), Shri Shyam Lal Saksena Memorial Award, NAMS(2010), Fellow of Indian College of Pathologists( 2009), Outstanding Woman Achievers International Lions Club Biotech(2008) Products and Process Development and Commercialisation(2007), Fellow, National Academy of Medical Sciences, 2007, Dr Shurveer Singh Trust Oration Award, Udaipur (2006), American Academy of Ophthalmology’s Achievement Award, (2006)CHEMTECH PHARMABIO “Outstanding Contribution” Award (Biotech)(2005), National Bioscience Award for Career Development (2003-4),Col Rangachary Gold Medal, AIOS(2002).

	<b>Name</b>	:	<b>Dr. Ghanashyam Krishna M.</b>
	<b>Born</b>	:	31-01-1963
	<b>FTAS</b>	:	TAS/2014
	<b>Address</b>	:	Centre for Advanced Studies in Electronics Sciences and Technology, School of Physics, Prof. CR Rao Road, University of Hyderabad, Gachibowli, Hyderabad-500 046,
	<b>Mobile</b>	:	040- 23134382,
	<b>E-mail</b>	:	<a href="mailto:mgksp@uohyd.ac.in">mgksp@uohyd.ac.in</a> ;

Bachelor of Science (1984), Master of Science Physics University of Delhi (1986). Received Ph.D Department of Instrumentation and Applied Physics, IIS, Bengaluru (1992). The title of his thesis was “Ion Assisted Deposition of Oxide thin films. During 1996-2001, Ghanashyam Krishna was a Research and Senior Research Fellow, Warwick Manufacturing Group, University of Warwick, UK in the research lab of Prof. A. K. Bhattacharya. For brief periods , he was also a visiting academic at the Department of Engineering, University of Oxford, UK and Department of Physics, University of Trento, Italy.

**Academic and Research Achievements:** Prof. M. Ghanashyam Krishna has been working in the area of thin film growth, characterization and devices for over twenty years. His work has added significantly to the understanding of the role of substrates in the growth of thin films and their physical behaviour. He has also published on the bulk to nano as a phase transition. The research from his group provides insight into the optical response of conducting, semiconductor and dielectric thin films using UV-Vis-NIR spectrophotometry as the probe. The use of scanning probe microscopy to understand behaviour of thin films at the nanoscale is noteworthy. His research group has developed a number of non-lithographic techniques for the synthesis of nanostructured films such as ultra low energy ion beam sputter deposition for Surface Plasmon resonance and photovoltaic applications; electric field and laser assisted nanostructuring of thin films for magnetic applications; single step thermal oxidation of Zn films for the formation of ZnO nanowires with interesting self-cleaning, optoelectronic and explosive detection properties. His work on non-stoichiometric titanium nitride thin films has led to European and US patents and the technology is being transferred to a company in Pune. Prof. Ghanashyam Krishna has so far published about 120 refereed papers and two book chapters which have over 1400 citations with an h-index of 22 and i10 index of 44 according to Google scholar citations. Seven students have obtained their PhD under his supervision.

**Other Contributions:** Prof. Ghanashyam Krishna has contributed to the higher education system in Telangana and Andhra Pradesh states through membership of Board of studies in Universities. He is a UGC nominated member of the Advisory Committee for the DRS programme in the Department of Physics, Aligarh Muslim University. He has been a reviewer for several national and international journals such as Pramana, Bulletin of Materials Science, Indian Journal of Physics, ACS Applied Materials and Interfaces, RSC Advances, Applied Surface Science, Journal of Alloys and compounds, Journal of Non-crystalline solids, Thin solid films, Materials Research Bulletin and European Journal of Physics: Applied Physics.

**Awards and Honors:** He is a member of the National Academy of Sciences India, Allahabad and Associate Editor of the Bulletin of Materials Science.


	<b>Name</b>	:	<b>Prof. Giri C. C.</b>
	<b>Born</b>	:	04-03-1960
	<b>FTAS</b>	:	TAS/ 2012
	<b>Address</b>	:	Centre for Plant Molecular Biology (CPMB), Osmania University, Hyderabad-500 00
	<b>Mobile:</b>	:	<b>040-27098087</b>
	<b>E-mail</b>	:	<a href="mailto:giriccin@yahoo.co.in">giriccin@yahoo.co.in</a>

M. Sc. (KU), M. Tech. Agricultural Engineering, I.I.T., Kharagpur, Ph. D. CIMAP, Lucknow. “Joined Assistant Professor, CPMB, Osmania University in 1992; Associate Professor (2001); and Professor (since 2009-to-date). Undergone training on molecular (DNA) markers and PCR cloning for the genetic improvement of crop plants by Rockefeller Foundation, USA (2001).

**Academic and Research Achievements:** Prof. Giri’s interest has been on protoplast research work plants bearing pharmaceutically important tropane group of alkaloids. Using chlorophyll deficient lethal mutant developed by him, intergeneric and interspecific somatic hybrids were produced at CIMAP. The intergeneric somatic hybrid between *H.muticus* and *Atropa belladonna* and interspecific somatic hybrid between *H. muticu* and *H.albus* was produced which found to contain elevated level of tropane alkaloids. After joining the CPMB, OU Dr. Giri has developed efficient protoplast regeneration protocol in indica rice through encapsulation of protoplasts in calcium alginate beads for the first time. Prof. Giri has also carried out research work on induction of transgenic hairy roots using *Agrobacterium rhizogenes* for the production of pharmaceutically important secondary metabolites *in vitro* involving plants such as *Podophyllum hexandrum* and from *Aconitum heterophyllum* for the production of anticancer drug cytostatic lignans and medicinally important terpenoids *in vitro*. He is also involved in the research activities on the production of clinically useful anticancer indole alkaloids (vincristine and vinblastine) from transformed cultures of *Catharanthus roseus*. In this programme shooty teratomas were induced through genetic transformation of *C. roseus* using specialized strains of *A. tumefaciens* C-58. established possible relationship between genome and metabolomic profiles of hairy roots by AFLP of *Psoralea corylifolia* L. *P. corylifolia* was found to contain significantly high content of anti cancer compound flavonoids e.g. daidzin. In addition to this, he has also worked on *in vitro* propagation, somatic embryogenesis and genetic transformation studies in medicinal tree *Terminalia chebula*. *In vitro* propagated plants were hardened and more than 150 trees were finally established in the field conditions at CPMB, OU, and at SAIRD, Gaddipally, Nalgonda by him which showed early flowering and fruit setting. Prof. Giri is also involved in isolation of biosynthetic pathway genes in *Andrographis paniculata*. Study of the role of signal molecule e.g. jasmonic acid, salicylic acid, acetyl salicylic acid and etherel by elicitation of *in vitro* untransformed and hairy root cultures of *A. paniculata* and *P. corylifolia*, respectively; for enhanced production of secondary metabolites. Isolation of genes in secondary metabolite pathway using genomics and functional genomics approach and with an ultimate goal of bioprospecting is the present activities of research. Published more than 40 research articles in peer revised journals and one book

**Other Contributions:** He delivered Crop Improvement, Plant Molecular Biology, Plant Developmental Biology and Bioprocess Engineering.

**Awards and Honours:** Member International Society for Plant Molecular Biology (ISPMB) (1996 to 2009); Member Institutional Bio-safety Committee Member Mendelian Society of India (MSI). Research Training Group (IRTG) sponsored by DFG, Germany and UGC, New Delhi.;Deputy Coordinator, Interdisciplinary Research Programme, Centre for Potential Excellence in Particular Area (CPEPA) on “Bioprospecting in medicinal plants for health care” at Osmania University sponsored by UGC, New Delhi.


	<b>Name:</b> Dr. Giribabu L. <b>Born:</b> 10-03-1969 <b>FTSA:</b> TAS/2017 <b>Address:</b> Principal Scientist, CSIR-IICT, Hyderabad-500 007 <b>Telephone:</b> 040-27191724 <b>Mobile:</b> 9849408496 <b>E-mail:</b> <a href="mailto:giribabu@iict.res.in">giribabu@iict.res.in</a> , <a href="mailto:lingamallug@gmail.com">lingamallug@gmail.com</a>
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MSc-Bio-inorganic chemistry (AU), PhD-Chemistry (HCU). We have used new concept i.e. 'axial bonding' concept for the construction of D-A systems. before post-doctoral Fellow at Australia (2000) and USA (2001). Joined IICT, Hyderabad as scientist in 2003

**Academic and Research Achievements:** His research is focused on the development of low-cost efficient materials for excitonic solar cells sensitizers for photodynamic therapy, donor-acceptor systems for bio-mimicking of natural photosynthesis and optoelectronic applications of highly conjugated organic molecules. The main achievements that include development of soluble unsymmetrical phthalocyanines as sensitizers for DSSC applications, successfully developed alternative synthetic methods for up-scaling of Ru(II) polypyridyl complexes and its photophysical properties. Recently, the group developed Donor- $\pi$ -Acceptor concept based porphyrin sensitizers have developed and it shows conversion of efficiency of >10% in DSSC applications. The aggregation minimized soluble zinc phthalocyanines used as hole transport materials for perovskited solar cells and shown conversion efficiency of 14%. We have also developed aggregation miminized soluble phthalocyanines and studied their non-linear optical properties. We have used metallo porphyrins, corroles and phthalocyanines and constructed several systems donor-acceptor systems. Our group has developed 'axial-bonding' concept for the construction of D-A systems. The approach is simple and can avoid tedious synthetic protocols. One of rarest molecules that we reported in the literature by using axial and peripheral positions of porphyrins in the construction of D-A system. The photophysical properties in these systems are directional. We have also developed several porphyrin based sensitizers for photodynamic therapy of cancer.

**Other Contributions:** Published over 160 research papers in peer-reviewed journals and guided 9 PhD students. Actively involved in various scientific programs for inculcating scientific temper and inspiring school and college students to take up scientific research as their career.

**Awards and Honors:** National coordinator for CSIR-TAPSUN programme. Coordinator for Indo-European union project from Indian side. Elected as Fellow of Luminescence Society of India (2017).

	<p><b>Name:</b> Prof. Gopal Reddy M.</p> <p><b>Born:</b> 21-05-1955</p> <p><b>FTAS:</b> TAS/2012</p> <p><b>Address:</b> Osmania University, Hyderabad-500 007. Res: H. No. 12-13-828/1, Kimtee Colony, Tarnaka, Hyderabad-017</p> <p><b>Mobile</b> 9948693767</p> <p><b>E-mail</b> <a href="mailto:gopalred@hotmail.com">gopalred@hotmail.com</a>, <a href="mailto:mgopalred@gmail.com">mgopalred@gmail.com</a></p>
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M.Sc. Microbiology (OU), Ph.D. in Microbiology(OU), Worked for two yrs as Asst. Bacteriologist in Biological E Ltd for manufacture of Tetanus, Diphtheria and Pertussis vaccines in antisera. Joined Osmania University as Lecturer to Reader and Professor. Served as HoD for 7 years and Chairman, Board of Studies for 9 years. Developed microbiology and biotechnology subject in Osmania University and other states at UG and PG to offer in several colleges. Taken suitable measures to improve the standard of teaching/learning of subject by preparing syllabi and developing infrastructure in the Universities

#### **Academic and Research Achievements:**


Teaching microbiology at PG Research for the last 35 years. Main interest of research is in Microbial fermentations, physiological studies for production of fermentation products like organic acids, alcohol, microbial enzymes, plant growth promoting rhizobacteria, bioremediation and diagnostics etc. 11 research projects are completed funded by CSIR, DBT, UGC, Private Industries etc. Published more than 110 research papers in International and national journals and more than 200 research papers are presented in international and national conferences etc. Reviewer to several international and national journals by reputed publishers. 22 students are awarded Ph.D. degree and 8 are working as on Jul.2015. Regular speaker in AIR for popularization of science with recent developments. Regular councilor for students at the University department and several colleges particularly students from rural origin.

#### **Other Contributions:**

Developed technology for production of stereospecific lactic acid and its polymerization to produce polylactate in collaboration with IIT, Kharagpur and NIIST Trivandrum in a DBT funded network project. Has 5 patents and advisor to biotech based industries.

#### **Awards and Honours:**

AMI-Louis Pasteur Award 2011 . Fellowship: UGC-BSR Faculty, (UGC-BFF) 2015, Fellow (BRSI)2008,Fellow of Association of Microbiologists of India (FAMI) 2013, Best Teacher Award (2014) by the Govt. of Telangana State. UGC Visiting Fellow. UGC-BSR-Faculty Fellow

	<b>Name:</b> Prof. Gopala Krishna A. <b>Born:</b> 24-07-1966 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> Department of Biotechnology, IIT Madras, Chennai -600036 <b>E-mail:</b> <a href="mailto:agk@iitm.ac.in">agk@iitm.ac.in</a> <b>Mobile:</b> 91-9840104366
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B. Sc. (Botany, Zoology and Chemistry), Osmania University, 1987. Ph. D. (Biotechnology), Pune University and National Chemical Laboratory, Pune, 1998 on “Spectroscopic studies on Molecular Interaction of DNA with Natural Products: Taxol, Serpentine, Sugars and Mnt Represor protein – Specificity, Strength and Nature of Binding”. Post-doctoral Fellow, Howard Hughes Medical institute, The Rockefeller University, 1998-2003 and Manager Spectroscopy Center, The Rockefeller University, New York, NY, USA, 2002-2003. Joined IIT Madras in 2003 as an Assistant Professor and since 2015 been a full Professor in the Department of Biotechnology.

**Academic and Research Achievements:** Guided 10 Ph. D. students and 4 MS (by Research) students, Research interest in Signal Transduction (GPCRs and G proteins): Apelin Receptor, Apelin (peptide ligand). Calcium Binding Proteins: Calnuc (Human, Rat and Drosophila), Calumenin, Proline rich calcium binding protein and histidine rich calcium binding protein. Recombinant peptide production: Cloning and over expression of human and other peptides (corresponding to regions of GPCRs or the receptor ligands). Developed a novel protocol for expression and purification of small peptides as recombinant products from *E. Coli*. Published more than 40 peer reviewed articles in journals.

**Other Contributions:** Member of a special committee for deciding the course curriculum for a new “Life Sciences” Department in “Karnataka Central University, Gulbarga.”

**Awards and Honors:** Elected fellows of Telangana Academy of Sciences (TAS). Awarded fellowship by Council of Scientific and Industrial Research (CSIR) for Ph. D. program. HHMI Fellowship (Rockefeller University, New York, NY, USA). DBT/BMBF fellowship for collaboration and travel to Germany. Life member, Indian Biophysical Society (Vice President of the Society – one term). Life member, Society of Biological Chemists (India)




	<p>Name: <b>Dr. Gopalan R.</b>  Born: 07-11-1960,  FTAS: TAS/2015  Address: International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), IITM Research Park, Chennai-600113.  Tel: (044) 66632723, 66632803  E-mail: <a href="mailto:gopy@arci.res.in">gopy@arci.res.in</a>; <a href="mailto:gopy1960@gmail.com">gopy1960@gmail.com</a></p>
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Dr Gopalan obtained his M. Sc in Physics(1983) from Madurai Kamaraj University, Madurai, M.Tech in Materials Technology (1985) from (anaras Hindu University, and PhD in Physics (1996) from IIT Madras. He joined Defence Metallurgical Research Lab (DMRL, DRDO) in 1985 and spent nearly 23 years on various Mission Projects. He was Visiting Scientist at National Institute for Materials Science (NIMS), Tsukuba, Japan during 2003-05 and He 2008-10. joined ARCI Hyderabad in 2010 and initiated a Centre of Excellence for Automotive Energy Materials and a Technical Research Centre projects for alternate energy materials and systems. He has visited as visiting scientist to IFW, Dresden, Germany in 2009 and Karlsruhe Institute of Technology, Germany in (2016).

**Academic and Research Achievements:** Dr Gopalan during his initial stages of research career at DMRL, Hyderabad was involved in an exotic research topic viz. 'Quasi-crystals'. He was one of the co-authors of a paper on 'Quasi-crystals' published in the prestigious journal 'Nature' in 1986, which was highly appreciated by the Nobel laureate Prof. Linus Pauling. This work created a significant impact on research in quasi-crystals. Subsequently, from 1987 he was involved in yet another fascinating area viz 'High temperature superconducting materials'. His work on melt-texturing of Y-Ba-Cu-O superconductors was first of its kind in the country. He was able to demonstrate a very high critical current density in such materials, which otherwise was a major bottleneck in to realize applications. He demonstrated in fabricating the high T<sub>c</sub> superconductors in different forms like wires, tapes, microwave cavities, rods for application engineering trials. In 1995, Dr Gopalan was involved in strategic project activities such as 'Indigenisation of special materials for Prithvi Gyro', 'SmCo<sub>5</sub> magnetic components for Travelling Wave Tube applications and Satellite & Launch vehicle applications' for DRDO & ISRO Missions. He also led a major Project at DMRL on Development of Frontier Magnetic Materials such as 'Nanostructured hard magnets', 'Magnetocaloric materials' and 'Ferromagnetic shape memory alloys'. He had a research stay at Japan for nearly four years during 2003-2005 and 2008-2010 and his work on rare earth permanent magnets has resolved many of the technological challenges. One of the major achievements by Dr Gopalan was developing a new cost effective soft magnetic alloy (Fe-P) with high saturation magnetization and low coercivity, the properties which have surpassed the non-oriented Fe-3.5% Si steel. This magnetic alloy is now being explored for various automotive applications. After joining ARCI in 2010, Dr Gopalan has established a Centre of Excellence for Automotive Energy Materials as one of the Project Centers of ARCI at IITM-R Park, Chennai for development of Li-ion battery for electric vehicle, magnets for motors, thermoelectric materials for waste heat recovery applications.

**Other Contributions:** Dr Gopalan, during his research stay in Japan during 2008-2010, served as President of Indian Scientists Association in Japan, ISAJ, Tsukuba Chapter. He is Member of many academic and scientific bodies both at national and international levels. He is one of the joint secretaries of Magnetic Societies of India (MSI). He has Guided / guiding 10 Phd students and many MTech students and published nearly 150 in papers in peer revied journals and has 6 patents.

**Awards and Honours:** Recipient of I Rank in M. Tech (Materials Technology) at BHU, Varanasi, (1985). Best Ph.D thesis award in Physics (Prof Laskar Memorial Prize) at IIT, Chennai, (1996). National Science Day Medal Award (2006) in DMRL (DRDO). DMRL Technology Award (2007-2008) for Development of Sm<sub>2</sub>Co<sub>17</sub> magnets. Best Metallurgists of the year Award (2013) Materials Research Society of India(MRSI) Medal Award 2014. Fellow of Academy of Sciences Chennai, (2016). Received Vasvik Industrial Award for Science and Technology (2017). He is fellow of Indian National Academy of Engineering (2018),

	<b>Name :</b> Prof. Gourinath S. <b>Born :</b> 16-04-1972 <b>FTAS :</b> TAS/2016 <b>Address :</b> School of Life Sciences, Jawaharlal Nehru University, New Delhi <b>Mobile :</b> 9818420366 <b>E-mail :</b> <a href="mailto:sgourinath@mail.jnu.ac.in">sgourinath@mail.jnu.ac.in</a> ; sgn9@hotmail.com
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M.Sc –Biotechnology (University of Pune), Ph.D –Biophysics (AIIMS, New Delhi): doctoral work on Three-dimensional structure determination of amylase-trypsin bi-functional inhibitor. Postdoctoral research fellow at Brandeis University: worked structural studies of myosin and elucidation of motor mechanism. Joined JNU, New Delhi as assistant Professor in 2003. 2005, 2006, 2007 summers, *Visiting research fellow, Rosenstil Basic Medical Research Center, Brandeis University, Waltham, MA, USA*: 2016 – Guest faculty, Department of Biotechnology, South Asian University, New Delhi.

**Academic and Research Achievements:** He has made significant contributions to our understanding of important molecular processes and biosynthetic pathways in two human gastric infectious pathogens- *E. histolytica* and *H. pylori*. His laboratory has successfully performed the structural characterization of all the cysteine biosynthesis pathway proteins in *E. histolytica*. This led to the identification of novel targets for therapeutic intervention, as cysteine is important for the survival of this organism. Another challenging project is on the characterization of cytoskeletal proteins that lead to the phagocytic cup. This is an important identifier in amoebiasis. His work on *H. pylori* addresses on replication initiation proteins that are crucial for genome duplication and multiplication of the organism. His laboratory has determined the structures of most of the serine/cysteine biosynthetic pathway enzymes from *E. histolytica*, as well as the structures of some of their homologues from other organisms for comparative studies. Dr. Gourinath's laboratory is also deciphering the structures of enzymes of the sulfate activation pathway, which are needed for cysteine biosynthesis and sulfonation of lipids and other biological molecules, and are hence essential for the survival of *E. histolytica*. His laboratory has reported the initial development of inhibitors against O-acetylserine sulphydrylase (OASS) of *E. histolytica*, and has been involved in inhibitor screening for other enzymes. His group also reported the structure of another calcium-binding protein, CaBP5, predicted its function on the basis of this structure, and proved in vitro and in vivo that this protein is a light chain of unconventional myosin 1B and plays a critical role in regulation of phagocytic cup formation. His lab has also shown that coactosin from *E. histolytica* stabilizes the actin filaments rather than depolymerising them as seen in other organisms.

**Other Contributions:** Published over 79 research papers (76 International) in peer-reviewed journals, guided 17 Ph. D students, contributed book chapters, coordinated a course on biomolecules and their interaction to UGC PG patashala and contributed several lectures to this course.

**Awards and Honors:** Visitors Award (**President of India's Award**)-2016 for Molecular Parasitology group at JNU. **National Bioscience Award** for career development 2013 (announced in June 2014), awarded by Department of Biotechnology, Ministry of Science and Technology, Govt. of India. **Indo-US science and Technology Forum fellowship** for 2010, Visited Prof. Niko Gregorif, HHMI, Brandeis University. Innovative Young Biotechnologist Award for 2006 (**IYBA-2006**) by Department of Biotechnology, **Ministry of Science and Technology, Govt of India**. Awarded **DAAD (German academic exchange service)** fellowship for short term, 1998. 1987-1989. Awarded the **Telugu Vignana Parithoshikam (Andhra Pradesh state merit scholarship)** by **State Govt. Andhra Pradesh**. 1987. Awarded the **National merit scholarship** by **Govt. of India**. Elected to GRC, Telengana Academy of Sciences – 2016, AP Academy of Sciences – 2016. Elected as Fellow of National academy of Sciences -2019. Founding member of Indian Protein Society, Member of International Union of Crystallography, Indian Biophysical society and Indian Crystallographic Association.



Name: **Prof Gowd T. N.**

Born: 02-10-1964

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Mobile: 9866596510

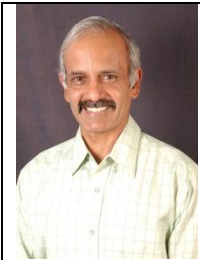
Email: [tngowd1941@yahoo.co.in](mailto:tngowd1941@yahoo.co.in)

M. Sc (Tech) Applied Geology (OU, 1964) Ph. D. (OU, 1975). He initiated himself into rock mechanics research in the year 1967 and theoretically analyzed the role of pore fluid pressure in causing the major earthquake of December 1967 at Koyna. As a German Academic Exchange Service (DAAD) Research Fellow at the Department of Geophysics, Ruhr University Bochum, Germany during (1971-74), he carried out investigations on the role of pore fluid pressure in causing brittle fracture and dilatancy of rocks by stressing them to fracture under triaxial stress conditions. He found that the dilatancy effects exist in dry fault zones. He visited the Department of Geophysics, Ruhr university, Bochum, Germany during 1982-83 as a Kernforschungs Anlage (KFA) Research Fellow and Department of Geological Science, University of Colorado at Boulder, USA in the year 1986 as a visiting scientist. He was the Head of the Rock Mechanics and Mineral Physics Divisions. Superannuation 2001 as Director-grade Scientist at NGRI.

**Academic and Research Achievements :** Responsible for establishing Rock Mechanic Research group at NGRI after his return from Germany in the year 1974. He in collaboration with German scientists carried out several stress measurements in the world's deepest mine of Kolar Gold Fields upto 3 km depth, evaluated the stress field and analyzed the causes responsible for the occurrence of unusual large Area – Rockbursts in the mining district. Dr.Gowd initiated in the year 1986 a major research program to measure crustal stresses and carried out stress measurements in deep boreholes by hydraulic fracturing at several locations in Indian shield, and also analyzed wellbore breakouts in several boreholes up to few kilometers depth. prepared stress map of the Indian subcontinent. In the year 1992 he initiated studies to understand the causes for the unusual seismicity in the stable continental region and analyzed the mechanisms responsible for reactivating the seismogenic faults in the Indian shield, and found that these faults can be reactivated to rupture causing earthquakes.

**Other Contributions :** Dr. Gowd's other contributions include application of hydraulic fracturing technique for enhancing the yield of groundwater bore wells as well as mining rock mechanics towards safety of underground coal mines of SCCL.

**Awards and Honors :** Dr. Gowd presented papers at the 28<sup>th</sup> Int. Geol. Congr. (Washington DC) in the year 1989, International Union of Theoretical and Applied Mechanics (IUTAM) Symp. (Beijing) in the 1994 and Chapman Conference of the American Geophysical Union (Hyderabad) in the year 1998. He published about 100 research papers in the prestigious national and international journals. Fellow of the Indian Geophysical Union and a Member of the German Geophysical Society.

	<p> <b>Name:</b> Dr. Gowrishankar J.  <b>Born:</b> 24-03-1956  <b>FTAS:</b> TAS/2004  <b>Address:</b> Director, Centre for DNA Fingerprinting and Diagnostics (CDFD Building 7, Gruhakalpa, 5-4-399/B, Nampally, Hyderabad - 500001.  <b>E-mail:</b> <a href="mailto:director@cdfd.org.in">director@cdfd.org.in</a>, <a href="mailto:lbg@cdfd.org.in">lbg@cdfd.org.in</a>  <b>Mobile:</b> 040-24749445; 040-24749446 </p>
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M.B.B.S. Christian Medical College, Vellore (University of Madras)(1979). Choosing to pursue a career in basic research, he then proceeded to the University of Melbourne, Australia, to work with Prof James Pittard as his mentor in the Department of Microbiology and obtained his Ph.D. in 1983 on his thesis titled "Regulation of phenylalanine biosynthesis in *Escherichia coli* K-12". He returned to India to join the Centre for Cellular and Molecular Biology, Hyderabad as Scientist and Group Leader in 1983, and established his laboratory there to undertake research in physiology and genetics of the model bacterium *E. coli*. In the year 2000, he moved to the Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad, to establish and head the Laboratory of Bacterial Genetics, and since December 2005 he is also the Director of the CDFD.

**Academic and Research Achievements:** During his research and academic career, Dr. Gowrishankar has worked on the following areas: Regulation of phenylalanine biosynthesis in *E. coli*. Genetics of osmoregulation in *E. coli*; Spontaneous mutations in non-dividing *E. coli* cells; R-loops from untranslated mRNA in bacteria; Arginine export and its regulation by ArgP.

**Awards and Honors:** Young Scientist Medal of Indian National Science Academy, 1986; BM Birla Award for Biological Science, 1991; Shanti SwarupBhatnagar Prize -1997; A.P. Scientist Award- 2003; Shri Om Prakash Bhasin Award for S&T-2005; Padma Shri Award by GOI-2013. Fellow, Indian Academy of Sciences; Fellow, National Academy of Sciences, India; and Fellow, Indian National Science Academy.




Name: **Dr. Gupta H. K.**  
Born: 28-06-1942  
FTAS: TAS/1992  
Address: N-1/A, Manjusha, KaKatiya Nagar, Habsiguda, Hyderabad-500 007;  
E-mail: harshg123@gmail.com ,  
Telephone: 27012866; 27155971

Member of the National Disaster Management Authority of India (2011-2014); Secretary to Government of India, Department of Ocean Development (2001- 2005); Director, N.G.R.I. (1992- 2001); Advisor, Department of Science and Technology, Government of India (1990- 1992); Vice Chancellor, Cochin University of Science and Technology (1987- 1990); Director, Centre of Earth Science Studies, Trivandrum (1982- 1987); and Project Director, Kerala Mineral Development and Exploration Project (1982- 1987); Adjunct Professor, University of Texas at Dallas (1978- 2001); Research Scientist, University of Texas at Dallas (1972-1977); Senior UNESCO Fellowship, International Institute of Seismology and Earthquake Engineering (IISSE), Tokyo (1971-1972); Scientist N.G.R.I. (1964-66; 67-71); Visiting Professor at a number of Universities and Institutes in Europe and USA. Advisor/Consultant to UNESCO, Common Wealth Science Council, International Atomic Energy Authority, ICSU etc on several occasions.

**Academic and Research Achievements:** Provided the first geophysical evidence of an enormously thick crust (65-70 km) below Himalaya and Tibet Plateau region in 1967, confirmed by detailed seismic surveys in 1980s. Pioneered investigation of artificial water reservoir triggered earthquakes (RTE), identified characteristics of RTE sequences that discriminate RTE from normal earthquakes and devised ways to find safer sites for building dams. **Antarctica:** Prof Gupta was the Leader of the Third Scientific Expedition to Antarctica (1983-84), established a permanent base station 'Dakshin Gangotri' for India. This led India to join the exclusive club of nations as a member of 'Antarctic Treaty'. **Global Seismic Hazard Program:** Prof Gupta Chaired the Scientific Committee of the UN sponsored Global Seismic Hazard Assessment Program (1992-1999) Prof Gupta spear headed setting of the Indian Tsunami Early Warning System (ITEWS). **LTTD:** Dr. Gupta facilitated setting up of the first Low Temperature Thermal- Desalination (LTTD) plant at Kavaratti in 2005. It has been producing 100,000 liters/day potable water since then; the first of its kind anywhere in the world. Prof Gupta directed the Legal Continental Shelf program of India, where 31,000 line- km of seismic data, gravity, magnetics and other geo-data were collected. This led to India's submitting a claim to the UN Commission on the Limits of the Continental Shelf.

**Other Contributions:** He built the Center for Earth Science Studies at Trivandrum Vice Chancellor of Cochin University, created DRDO-Cochin University Computer Center as Director NGRI, revolutionized application of earth sciences for petroleum and ground water; as Secretary DOD, built ships for scientific work and created campus for INCOIS. General President of Indian Science Congress, (2007).

**Awards and Honors:** Shanti Swarup Bhatnagar Prize in Earth Sciences; USSR Academy of Sciences 100 years of International Geophysics Memorial Medal; National Mineral Award from Govt. of India; Indian Geophysical Union Decennial Award; Indian Geophysical Union Millennium Award; National Mineral Award for Excellence; Padmashri from Govt. of India; Prof. Y. Nayudamma Memorial Gold Medal Award; National Ocean Award from MoES; Distinguished Alumnus Award from IIT Roorkee; ISM, Dhanbad; St Georges College, Mussorie. Fellow INSA, NASI, TWAS and American Geophysical Union.

	<p> Name : <b>Dr. Gurrappa I.</b>  Born : 01-06-1960,  FTAS : TAS/2010  Address : Defence Metallurgical Research Laboratory,  Kanchanbagh PO, Hyderabad-500 058;  Mobile : (040) 24586515 (O), 24090392 ®  E-mail : <a href="mailto:igp1@rediffmail.com">igp1@rediffmail.com</a> &amp; <a href="mailto:igp@dmrl.drdo.in">igp@dmrl.drdo.in</a> </p>
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M.Sc. Physical Chemistry and Ph.D. in Electrochemistry, SVU, Tirupati. Joined DRDO, as a Scientist and started working in the field of Corrosion and its Prevention Technologies. Visited Research Centre, Julich, Germany (1997-1998) and Institute for Surface Modifications, Leipzig, Germany (2004-2005) as an Alexander von Humboldt Fellow, Northumbria University, United Kingdom (2006-2008) as a Marie Curie Individual Fellow of European Commission and JSPS Invitation Fellow at National Institute for Materials Science, Tokyo, Japan (2006).

**Academic and Research Achievements:** Dr.Gurrappa designed and developed smart coatings for aerospace applications, successfully synthesized different nanostructured composite coatings by a cost effective technique, developed an effective protective coating system for RECS assembly of AGNI missiles to protect against corrosion, provided a solution to effectively combat corrosion problem in AKASH missiles, developed a high performance protective coating for titanium alloys to protect against high temperature oxidation, alpha case formation and hot corrosion, a life prediction model was developed successfully to predict the life of titanium alloy components in gas turbine engines, identified an high performance MCrAlY based bond coating to protect the superalloys from hot corrosion in gas turbine engines, determined the optimum concentration of aluminium required in MCrAlY based bond coatings for effective protection of superalloys, developed a new coating system for protection of recently developed high strength low alloy steel, DMR-1700, physical and computer models were successfully developed for cathodic protection of various warships, high performance aluminium alloy sacrificial anode was developed successfully for protection of marine structures, established an excellent correlation between the surface free energy and anode efficiency of aluminium alloy sacrificial anodes, degradation of permanent magnets under a variety of environmental conditions was successfully established, developed biocompatible coatings for 316L stainless steel, a suitable and optimum thick thermal barrier coating (TBC) was developed for CM247 LC superalloy used in aerospace applications and enhanced pitting corrosion resistance of duplex stainless steels by identifying a suitable weld technique.

**Other Contributions:** Dr.Gurrappa has been associated in helping human kind by developing high performance biomaterials and preparing them with sophisticated techniques and testing in simulated body fluid environment for their performance. He has also been helping different industries and rural areas in solving corrosion problems experienced with cooling water systems by suggesting appropriate materials and prevention techniques.

**Awards and Honours:** Dr.Gurrappa selected as a 2000 Outstanding Intellectuals of 21<sup>st</sup> Century by IBC, England. Fellow of Royal Society of Chemistry, United Kingdom, Marie Curie Fellow of European Commission, Fellow of Japan Society for Promotion of Science, Japan, Governing Council Member, Electrochemical Society of India, a life member of Society for Advancement of Electrochemical Science and Technology, a life member of Bio-electrochemical Society of India, a member of NACE International, Corrosion Society of India and Elected Member of Electrochemical Society, USA. He is a member of editorial boards and reviewer of scientific journals, reviewer for various funding institutions and Editor of two books on "Gas Turbines".




	<p><b>Name:</b> Dr. Harinarayana T.</p> <p><b>Born:</b> 10-06-1954</p> <p><b>FTAS:</b> TAS/2007</p> <p><b>Address:</b> Director, Gujarat Energy Research &amp; Management Institute (GERMI), 1<sup>st</sup> Floor, Energy Building, PDPU Campus, Raisan Village Gandhinagar-382 007.,</p> <p><b>Mobile:</b> 9099097528</p> <p><b>E-mail:</b> <a href="mailto:harinarayana@germi.res.in">harinarayana@germi.res.in</a></p>
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Director of the Gujarat Energy Research and Management Institute, Gandhinagar, Gujarat. and Director, Gujarat State Petroleum Corporation Limited. Prof. T. Harinarayana has over 30 years of experience of working with CSIR-National Geophysical Research Institute as Scientist "G". He is a leading scientist, in deep EM Technique- Magnetotellurics

**Academic and Research Achievements:** Doctoral degrees in the field of Electromagnetics-one from Edinburgh University, UK & the other from Indian School of Mines, Dhanbad. Visiting professor and scientist at the University of Tokyo, Japan and the University of Texas at Austin, USA respectively. He has also organized and chaired a large number of conference His extensive study of Cuddapah sedimentary basin area of Tadiparti-Gooty-Anantapur and also in search of Kimberlite rocks for diamonds. Which led to the discovery of minerals in the Cuddapah basin and more diamondiferous Kimberlite pipes in Wajrakarur and surrounding regions. He led a team of Australian scientists to different geothermal areas of A.P. like Bugga, Agnigundala etc. locations for possible assessment of the region .

**Other Contributions:** Prof. Harinarayana published innovative ways to develop Solar energy enhancement. This information is directly useful to importantly to Andhra Pradesh. Director of GERMI (Gujarat Energy Research and Management Institute), Gujarat. He has been involved in many innovative projects related to oil exploration, geothermal energy exploration, Solar energy generation etc in different regions of India. The research results (2012 and 2013) will go a long way to help the energy basket of our country. The solar roof top programme implemented by GERMI, Gandhinagar has become a role model for the whole country. The professional and vocational training programmes being organized at GERMI is the need of the hour for all the solar industry developers. Prof. Harinarayana is closely involved in the development of all the fields of energy sector- oil, gas, geothermal, solar etc. India's growth directly depends on its energy sources and it's development. For example, our per capita consumption of energy is far below the developed and even developing countries like China, Brazil etc. His research output will enhance and perhaps helps to change this situation. *For example, in a recently published research article he showed an innovative way of generating power using national highways. With the help of a strong policy, India can generate nearly 5000 MW (5 GW) in a short period of one year. This one example, is likely change the energy scenario of our country, if the ideas are properly implemented. In another research paper, he has identified optimal land use for solar parks and as per estimates 7500 MW of electricity is possible in Gujarat State alone.*

**Awards and Honours:** Dr. T. Harinarayana is a member of the Russian Academy of Natural Sciences, Moscow. Became a Member of Governing Council of newly formed IIIT-Vadodara. Recently, he has received ISCA-International Best Researcher Award-2013. He has received the National Mineral Award-1991, the Andhra Pradesh Scientist Award-2008. While serving as Scientist and Head of the magnetotelluric Division, NGRI, Hyderabad he became a fellow and a member of national (IGU, AEG, APAS etc.) and international (IAGA, EMSEV etc.) scientific societies, academic forums and editorial boards of various techno-scientific journals of global importance.


	<b>Name:</b> Dr. Hemalatha R. <b>Born:</b> 17-06-1962 <b>Elected:</b> TAS/ 2018 <b>Address:</b> National Institute of Nutrition, Jamai-Osmania, P.O., Hyderabad -500007 <b>E-mail:</b> <a href="mailto:rhemalathanin@gmail.com">rhemalathanin@gmail.com</a> <b>Mobile:</b> 91-92462 83362
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**MBBS and M.D.** from Gandhi Medical College, Dr. NTR University of Health Sciences, Hyderabad. Joined National Institute of Nutrition in 1988 as Assistant Research Officer and promoted as Research Officer (1991), Sr. Research Officer (1997), Assistant Director (2002), Scientist-E (2007) and Scientist-F (2012). Later on took over as the 13<sup>th</sup> Director of the ICMR- National Institute of Nutrition in December 2017, heading the largest Nutrition research organisation in the country that covers the spectrum from basic to public health.

**Academic and Research Achievements:** Guided 5 Post Doctoral Fellows and 2 Ph.D. Scholars and presently guiding 4 students for Ph.D. She has carried out extensive research in the realm of Nutrition, Infection and Immunity with special emphasis on Women and Child health, preconception nutrition and the first 1000 days of life. She also conducted a battery of studies on probiotics and gut as well as vaginal microbiome profiling in pregnant women that have generated vital information on the impact of inflammation on foetal growth and pregnancy outcomes. She has published more than 100 peer reviewed articles in journals, contributed to 26 reports for regulatory bodies and 10 Chapters in Books.

**Other Contributions:** Ever since she took over as the Director, her emphasis has been on strengthening inter-sectoral, inter-institutional, inter-disciplinary synergy for finding practical solutions to the nutrition issues confronting the country; providing evidence base and research support for nutrition programmes and regulations in the country, and expanding the foot print of NIN's outreach activities. Dr..Hemalatha is an expert member of various task force committees of the Ministry of Women and Child Development, Ministry of Health and Family Welfare, Government of India; Food Safety and Standards of India (FSSAI), National Technical Board on Nutrition and National Council of Nutrition of NITI Aayog.

**Awards and Honors:** Dr. Hemalatha is recipient of Ponduri VR Rao Gold Medal and Dr. Rajammal P Devadas Memorial Award. She is a Fellow of the National Academy of Medical Sciences (NAMS), and Fellow of the International Union of Nutrition Sciences (IUNS) She has served as Joint Secretary of the Nutrition Society of India.

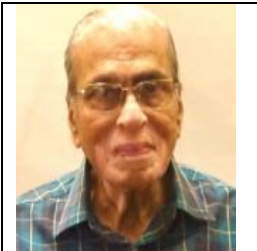
	<b>Name:</b> Prof. Himabindu V. <b>Born:</b> 25-07-1969 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> Centre for Environment, Institute of Science and Technology, JNTUH, Kukatpally, Hyderabad - 500085 <b>E-mail:</b> <a href="mailto:drvhimabindu@jntuh.ac.in">drvhimabindu@jntuh.ac.in</a> . <a href="mailto:drvhimabindu@gmail.com">drvhimabindu@gmail.com</a> <b>Mobile:</b> 91-9849692838
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B.Sc. (Chemistry, Physics & Zoology), S.V. University, 1989.M.Sc. (Environmental Chemistry), S.V. University, 1991.Ph.D. (Chemistry), Jawaharlal Nehru Technological University Hyderabad, 1998 on "Removal of colored organics by using dead biomass and other low cost adsorbents from industrial effluents". She has Joined J.N.T. University Hyderabad as an Assistant Professor in 1999 and Full Professor since 2015 in the Centre for Environment, Institute of Science and Technology, J.N.T. University Hyderabad.

**Academic and Research Achievements:** She has Guided 17 Ph. D. students, 13 M.Phil and 128 M.Tech/M.Sc/B.Tech project works in the area of Energy and Environment. She has received and completed 21 R&D Projects from State and Central Govt. Organizations like BARC, APPCB, DRDO, DST, UGC, SEDA- Sweden, MNRE, DBT etc. She has published more than 200 scientific research publications in various peer reviewed journals and international conferences. Research interests in waste water treatment, Air Pollution Monitoring and Control Technologies, Waste to Energy, Biofuels, Carbon nanomaterials, Graphene, Energy materials, Hydrogen Production and Storage.

**Other Contributions:** She is serving as a coordinator for Centre for Alternative Energy Options, J.N.T. University and developed flame reactor, Thermo Catalytic Decomposition (TCD) and Chemical Vapour Deposition (CVD) reactors for the synthesis of carbon nanomaterials and nano metal oxides. Developed 600 ml/min hydrogen generator using PEM water electrolysis. Apart from that, she has developed various pilot scale bioreactors (UASB, AGR and CSTR), Photobioreactors, Electrooxidation and Electrocoagulation units for waste water treatment and Biological hydrogen production.


**Editorial/Scientific Responsibilities:** Frontiers in Environmental Science – Editorial Board Member, Environmental science and pollution research – Guest Editor, Reviewer in various peer reviewed international journals, Life member of Indian institute of plant engineers (IPE), Life member of Indian society for Technical education, Member of American chemical society

	<b>Name:</b> Prof. Hridaya Mohanlal <b>Born:</b> 01-10-1935 <b>Elected;</b> TAS/2007 <b>Address:</b> Sr. Consultant Physician, 8-2-82/A/B, Road-3, Banjara Hills, Hyderabad- 500 034 <b>Mobile:</b> 9849315645 <b>E-mail:</b> <a href="mailto:hmlal@yahoo.com">hmlal@yahoo.com</a>
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**Academic and Research Achievements:** An outstanding alumnus of Osmania Medical College, Hyderabad, he subsequently pursued his higher education in U.K, where he worked as a physician at Guy's hospital, London and cardiologist at Brook's hospital, London. He initially obtained M.R.C.P (UK) and was subsequently conferred F.R.C.P. He was also awarded Ph.D for his work on anti-tubercular drugs from London university. Other outstanding honours and fellowships include F.I.C.P by the Indian College of Physicians, Rustom Jal Patel Memorial Oration at GMC, Mumbai, Searle award for excellence in clinical research etc. and many more; A Founder-Fellow of the Indian College of Cardiology and the Indian Academy of Clinical Medicine and Faculty council member of Indian college of Physicians; Chairman of the Association of Physicians of India [API], (Hyderabad chapter). life- member of number of RSSDI, Indian society of Gastroenterology [ISG], Indian Society of Clinical Pharmacology, Cardiological Society of India [CSI]. Indian academy of Pediatrics, Indian Rheumatology association. He was the chairman for an International conference on Clinical pharmacology and conducted C.M.E programmes globally in various countries& in rural areas as well.

**Other Contributions:** He joined the pharmaceutical industry in London with G.D.Searle(International) and then moved to India to take care of clinical research and corporate medical services in Asia including India, Pakistan, Srilanka ; Middle-east, Far east, Africa , Turkey and Iran as their Regional Medical Director from 1967- 1989 was involved in numerous clinical research projects, C.M.E. programmes and seminars globally. He later joined Glaxo- Smithkline as Senior Vice President- Medical affairs and Clinical research and Head of the Clinical Pharmacology Unit till 1995. He returned to his roots in 1995 when he was appointed as the Senior VP- Clinical research& Medical Affairs, at Dr Reddy's labs, looking after medical affairs, training programmes and conduct of C.M.E.PROGRAMMES for the group in India, Far East, Russia, China, Latin America till 2002. He is presently guiding Indigene Pharma International, A Boston based group in clinical research and medical affairs in its R&D efforts as a Senior Consultant and Chief medical advisor. He has contributed to chapters in books and original articles in various peer reviewed, national and international journals and has over 30 publications.

	<b>Name: Dr. Jagadesh B.</b>
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	<b>Name</b> : Dr. Jagan Reddy Ginuga <b>Born</b> : 16-08-1961 <b>FTAS</b> : TAS/2019 <b>Address</b> : DMRL - Hyderabad, PO. Kanchanbagh, Telangana State, 500058 <b>E-mail</b> : <a href="mailto:ginuagajagan_61@yahoo.co.in">ginuagajagan_61@yahoo.co.in</a> , <b>Mobile</b> : 91-9490956770
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Dr. G. Jagan Reddy was born in Cherlapalem village in Warangal District. He graduated in Metallurgical Engineering from NIT-Warangal, 1986 and M. Tech from IIT-Bombay. Subsequently, he worked for NTPC, New Delhi as an Inspection engineer for a period of one year. Dr. Reddy joined DMRL (DRDO) as Scientist 'B' in the year 1989 and presently he is Scientist 'G', heading Novel Manufacturing Technologies Group in DMRL.

**Expertise:** Dr. G. Jagan Reddy is equally comfortable with basic research, technology development and management. At DMRL he developed a novel HIPing technique to produce Zinc Sulphide(ZnS) Domes for IR transmission applications in Missiles. He was associated in establishing state-of-the-art 3D Printing facility LENS-650, comprehensively at DMRL for the first time in India. This is a unique Additive Manufacturing facility which can be used to make metallic prototypes and FGMs. Developed scientific understanding related to the structure and properties of ceramic and metallic FGMs. The development of superalloy foams is an outstanding example of his scientific contributions. Dr Reddy developed the process for making superalloy foams used for metallic thermal protection systems of Hypersonic vehicle programme of DRDO.

**Academic & Research Achievements:** Dr. Jagan Reddy pursued research for his Doctoral Program and awarded PhD degree by IIT- Bombay in 2010 for his thesis work on "Study on High Temperature Flow properties and Development of Processing Maps of Spray Formed Al-Li alloy UL40". He has 24 publications to his credit in peer reviewed international journals. He is the co-author of one of the chapters in a book entitled "Advances in Al-Li alloys: Processing, Structure and Properties" published by Elsevier. Dr. Reddy had undergone training at EPSI-Belgium on Hot Isostatic Pressing (HIP) and also at PMI-Belarus on Development of Ni-foams. Ni-foams developed were used in loop heat pipe (LHP) application in GSAT-19 satellite launched in 2017.

DMRL & Powder Metallurgy Institute (PMI), Belarus executed a joint R&D project on "Development of Ni-base Superalloy and Titanium Alloy Foams for High Temperature Applications". Dr Reddy had played an active role in executing this project, developed understanding of the science and improved the skill for producing metallic foams such as Superalloy and Ti alloy foams.

Dr. G. Jagan Reddy has been interacting with JNTU-Hyderabad and NIT-Warangal by means of guiding engineering students, as an examiner and delivering talks on Additive manufacturing technology. He is actively associated with IIM activities of Hyderabad chapter.

**Awards & Honours:** Dr. Jagan Reddy is recipient of DRDO Group Technology award -2005 and DRDO Laboratory Scientist of the year award - 2013. He was elected as Fellow of Telangana Academy of Sciences (FTAS) in the year 2019.




	<p><b>Name:</b> Dr. Jaiteerth R Joshi</p> <p><b>Born:</b> 30-12-1970</p> <p><b>FTAS:</b> TAS / 2018</p> <p><b>Address:</b> Defence Research and Development Laboratory Kanchanbagh Post, Hyderabad – 500058</p> <p><b>E-mail:</b> <a href="mailto:joshidrldl@gmail.com">joshidrldl@gmail.com</a>,</p> <p><b>Mobile:</b> 91-9440049272</p>
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Dr Jaiteerth R Joshi, Project Director-Indigenous Aircraft Carrier is from Mechanical Engineering stream and has been trained in diverse areas of work like Welding Technology, NDT, Technology & Project Management. He started his carrier with a multinational company M/s. Alfa Laval, Pune and went on to serve BDL before joining DRDO in 1997. Over last 28 years he has contributed to many disciplines of engineering like System Integration & Production of Missiles, Quality Assurance, Non Destructive Testing etc.

**Academic and Research Achievements:** As Secretary of Indian Society for Non-Destructive Testing, he has been credited with training of hundreds of technical personnel in private, public and government sectors at Level-I and Level-II grades. Currently he is Chairman of the Indian Society for Non Destructive Testing, Hyderabad Chapter and Vice-President of ISNT HQtrs. He is the founder secretary of a non-profit society (**IASSIST**) and running an I ASSIST India campaign for Skill development of engineering graduates. He is **AICTE-INAE Distinguished Visiting Professor**.

**Other Contributions:** He has played key role in formulating National Strategic Materials Policy as Member Secretary. He is a Member of Governing council of 'International Advanced Research Centre for Powder Metallurgy and New Materials' (ARCI) and Member of Institutional-Level Innovation Council (IIC) for monitoring the Startup Project under the Dept. of IT, BT and S&T, Govt. of Karnataka.

**Awards and Honors:** His outstanding contributions are recognized by various national professional societies in the form of prestigious awards, to name a few, 'Distinguished NDT'IAN of the Decade in year 2012', DRDO Technology Group award -2009, DRDL Lab Scientist of the year award-2013, National Technology Day Oration Award-2016, DRDO Award for Performance Excellence-2016, IIM SAIL GOLD MEDAL – 2018. He is elected as Fellow, Institute of Engineers (IE), Indian Institute of Production Engineers (IIPE), Indian Society for Non-Destructive Testing (ISNT). and Indian Society for Mechanical Engineers (ISME), Life Member, Society for Aerospace Quality and Reliability (SAQR), Indian Welding Society (IWS). and Aeronautical Society of India (AeSI).


	<p><b>Name:</b> Prof. James Raju K.C.</p> <p><b>Born:</b> 04-09-1963</p> <p><b>FTAS:</b> TAS/ 2019</p> <p><b>Address:</b> Centre for Advanced Studies in Electronics Science &amp; Technology (CASEST), School of Physics University of Hyderabad, Hyderabad -500046</p> <p><b>E-mail:</b> <a href="mailto:kcjrsp@uohyd.ac.in">kcjrsp@uohyd.ac.in</a>,</p> <p><b>Mobile:</b> 91-9441917858</p>
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M.Sc (Physics), Mahatma Gandhi University, 1986. Ph. D. (Physics), IIT Madras, 1996 on “Correlations between Microwave Dielectric Resonators and Ferroelectrics in the system  $(\text{Ba,Sr})(\text{Zr,Ti})\text{O}_3$ ”. Visiting Scientist Assignments: ITC-IRST, Trento, Italy; University of Puerto Rico, USA; University of Dayton, Ohio, USA; Heriot-Watt University, Edinburgh, UK; James Cook University, Townsville, Australia; University of Aveiro, Aveiro, Italy and University of Cambridge, UK. Joined University of Hyderabad in 1996 as a Lecturer and since 2009 a Professor with CASEST, School of Physics, University of Hyderabad.

**Academic and Research Achievements:** Guided 14 Ph. D. students and 22 M. Tech students, Research interest in functional materials, viz. Ferroelectrics (bulk & Thin film), piezoelectric thin films, microwave dielectrics and magneto electric multilayers. Microwave measurement techniques for materials and devices including on wafer probing, Tunable Microwave devices using ferroelectric thin films, Material processing using Lasers, Microwaves and Gel Casting. Developed Microwave Dielectric Resonators, voltage tunable microwave filters and phase shifters, High overtone Bulk Acoustic wave Resonators (HBAR) with Q value upto 23,000 at 2.4 GHz, a process for crystallizing ferroelectric thin films at 300°C to make them compatible with flexible Electronics, Microwave processing of microwave materials at substantially lower temperatures and shaping of microwave ceramics in 3D geometries by a gel casting process. Microwave windows and mode converters for Tokamak systems and Electromagnetic Simulation of planar and 3D microwave devices. Granted Indian patent one and 3 filed Published more than 130 peer reviewed Papers in journals and 3 Books.

**Other Contributions:** Established a facility for laser processing of materials using Excimer laser and Nd-YAG laser with focused beam for ablation and diverging beam for annealing with one chamber for simultaneous deposition and annealing. It is being developed for magnetoelectric multilayers for tunable microwave devices and flexible Electronics.

**Awards and Honors:** Recipient of Prof. Laskar Memorial Best Thesis Award from IIT, Madras; National Merit Scholarship, UGC JRF and CSIR SRF, Govt. of India. Senior Member IEEE and Life Member National Academy of Sciences, India (NASI).

	<b>Name</b>	:	<b>Prof. Janardhana Reddy K.</b>
	Born	:	16-06-1951
	FTAS	:	TAS/2005
	Address	:	H.No.11-14-234/B3, Road No.11, Haripuri Colony, Saroornagar, Hyderabad-500 035
	Mobile	:	9393121272
	E-mail	:	<a href="mailto:kjreddy50@yahoo.co.in">kjreddy50@yahoo.co.in</a>


M.Sc. Botany (OU), (1975) and stood University First. Ph.D. (OU), (1980). Joined Osmania University as Lecturer in 1980 and became Professor in 1992. Taught Plant Physiology and Biochemistry to P.G students (1980 to 2011). Head Department of Botany (2002 to 2004) and Principal, University College of Science, O.U (2008-2011). He was Member of Executive Council of Osmania University(2005-2010).

#### **Academic and Research Achievements**

worked mainly on nutritional Physiology and Medicinal Plants. published 50 research papers in peer reviewed Journals. guided 20 students for Ph.D. organized 4 National and 2 International conferences in frontier areas of Science & Technology. Successfully completed 6 major Research projects funded by UGC, DST, DBT and A.P Netherlands Biotechnology Programme.

#### **Awards and Honours:**

Delivered M.O.P. Iyengar Endowment Lecture (1996), Best Teacher Award (2007) Govt. of A.P

	<b>Name:</b> Dr. JAYAKUMAR T. <b>Born:</b> 01-06-1955 <b>Elected:</b> TAS/ 2017 <b>Address:</b> Defence Metallurgical Research Laboratory (DMRL) Hyderabad - 500058 <b>E-mail:</b> <a href="mailto:jayakumar200@gmail.com">jayakumar200@gmail.com</a> <b>Phone:</b> +91-40-2458-6901
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B. Tech. (Metallurgical Engineering), Kakatiya University, 1977. Ph. D. University of Saarland Saarbruecken (Germany, 1996). Joined Indira Gandhi Centre for Atomic Research, Department of Atomic Energy, Kalpakkam in 1978 as a Scientific Officer and superannuated in May 2015. Worked as a Visiting Professor for two years 2015-2017. Presently, a DRDO Chair at DMRL, Hyderabad.

**Academic and Research Achievements:** Guided 11 Ph. D. students. Research contributions include: (i) Development of high temperature materials and manufacturing technologies for sodium cooled fast breeder reactors and advanced ultra super critical (AUSC) technology, (ii) Development and application of advanced non destructive evaluation techniques and analysis procedures for characterisation of defects, microstructures, residual stresses, deformation and fracture processes, creep and fatigue damage in several important structural materials, (iii) Assessment of structural integrity and life extension of engineering components and systems, (iv) Systematic and comprehensive analysis of metallurgical failures of engineering components and (v) Research on ancient Indian cultural heritage through systematic investigations on Delhi Iron Pillar, South Indian Bronzes, Pallava Coins and Hampi Musical Pillars.

**Other Contributions:** 6 Indian patents Published more than 540 peer reviewed articles in journals. Co-authored 3 books and Co-edited 7 books.

**Awards and Honors:** Homi Bhabha Science and Technology Award by DAE, Group Achievement Award by DAE, Outstanding Services Award by the Indian Nuclear Society (INS); National NDT Award by Indian Society for Non Destructive Testing (ISNT); Metallurgist of the Year Award by Ministry of Steel, Government of India and Indian Institute of Metals (IIM); G.D.Birla Gold Medal by Indian Institute of Metals (IIM); SAIL Gold Medal by Indian Institute of Metals (IIM); Fellow of INAE, and Science Academies of Tamil Nadu and Telangana States.




Name : **Dr. Jayaraj R.N.**  
Born : 20-03-1950  
FTAS : TAS/2014  
Address : Former Chairman & Chief Executive, Nuclear Fuel Complex, Hyderabad  
Mobile : 7893823888  
E-Mail : [raigirij@gmail.com](mailto:raigirij@gmail.com)

B. E. Mechanical (OU, 1973) and then He joined 17<sup>th</sup> Batch of Training School of Bhabha Atomic Research Centre (BARC), Mumbai, for one-year Post-graduate course in nuclear engineering. He then joined Atomic Fuels Division of BARC where he contributed in the production of metallic uranium fuel assemblies for CIRUS reactor and development of production processes for the manufacture of fuel assemblies for DHRUVA reactor. Chief Executive of Nuclear Fuel Complex (NFC), Hyderabad during 2006-12.

**Academic and Research Achievements:** After his transfer to Nuclear Fuel Complex, Hyderabad in the year 1978, he played a key role in establishing the assembly plant for the production of core sub-assemblies required for Fast Breeder Test Reactor (FBTR). He was instrumental in successfully fabricating and supplying all the core sub-assemblies for FBTR for the first time in India. In mid-80's, he was given the responsibility of production of natural uranium dioxide fuel bundles required for all the Pressurised Heavy Water Reactors (PHWRs), which he successfully executed in meeting the fuel requirements of Nuclear Power Corporation of India Limited. While carrying out regular production of fuel bundles for PHWRs, Shri Jayaraj immensely contributed in the indigenous development of various equipment for critical processes involving welding, machining centers and assembly stations. He also contemplated several process improvements in the uranium dioxide pellet production and fuel bundle fabrication resulting in substantial increase in the production recoveries. Shri Jayaraj played pioneering role in manufacturing fuel for the first 540 MWe PHWR at Tarapur, first of its kind in the country. He was instrumental in establishing 'Zirconium Complex', a facility for the production of nuclear grade Zirconium Sponge, at Pazhayakayal, Tamilnadu, that gave self-sufficiency to the country in utilizing this material for future nuclear power programmes.

**Other Contributions:** Shri Jayaraj authored/co-authored several technical papers, present at Fuel Conferences" in the past 8 successive Conferences in Canada. and Russia, Japan, Spain, U.K., China and Belgium and After this.

**Awards and Honors :** Gold Medal and National merit scholarship at High School for topping the school "Outstanding Performance Award", twice by NFC (1988 and 1997). Recipient of "Engineer of the Year Award – 1994", Indian Nuclear Society (INS) Award (2006). He has been awarded "The Indian Institute of Metals (IIM) -2009 (Gold Medal)" Recipient of "DAE Group Achievement Award-(2009)", Fellow of Indian National Academy of Engineering (INAE), Fellow of Indian Institute of Chemical Engineers (IICChE) and Honorary Member of Society for Failure Analysis (SFA).

	<b>Name</b> : <b>Prof. Jayarama Reddy S.</b> <b>Born</b> : 01-07-1945 <b>FTAS</b> : TAS/1997 <b>Address</b> : (Former Vice-Chancellor, SV University), Chancellor, SCSVMV University, 201, Ameya Towers, Street No.12, Tarnaka, Hyderabad-500 017 <b>Mobile</b> : 9949027118 <b>E-mail</b> : <a href="mailto:chancellor.sjr@gmail.com">chancellor.sjr@gmail.com</a> ;
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MSc Physical Chemistry and PhD Electrochemistry (SVU, Tirupati), as Lecturer in S.V.U. 1971 Professor (1985) and Vice Chancellor Sri Venkateswara University, Cuddapah (2004-2007). as Scientific-officer in Twente University of Technology, Netherlands, (1976-77). He was the founder, Vice-Chancellor (in-Charge), Yogi Vemana University, Member of Andhra Pradesh Pollution Control Appellate Authority. Visiting Professor at Grefiswald University (C4) and Humboldt University, Germany. Visiting Professor in Japan at Kyoto University, University of Tokyo and Kanazawa University. Chancellor of Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamil Nadu.

**Academic and Research Achievements:** Prof. Reddy's interest is in the fields of fundamental electrochemistry, electroanalytical chemistry, bio-electrochemistry, radio-analytical chemistry and bioremediation and atmospheric chemistry. His work on developing emitters for field ionization and field desorption mass spectrometry, biosensors, modified electrodes, electro-organic synthesis, ion-selective electrodes, environmental analysis has won him laurels. He also worked on the analysis of trace concentrations of metals, pesticides and its residues, drugs and pharmaceuticals in water, soil and leafy materials. developed electrochemical and photo-electrochemical synthesis procedures, metal speciation studies, etc. successfully guided 35 Ph.Ds and good number of M.Phil students. published about 270 research papers, 8 review articles and 16 general and popular articles .

**Other Contributions:** Member, Executive Council-Central University of Haryana and Sri Krishnadevaraya University, Member, Board of Governors, Environmental Protection Training and Research Institute (EPTRI), Hyderabad, Council Member, AP State Council of Higher Education, Hyderabad, Principal and Dean, Faculty of Sciences, and School of Mathematics and Physical Sciences. President, S.V. University Teachers Association. chairman in NAAC PEER Team for various Institutions, UGC Assessment Committee for various Universities and as Member for Planning and Monitoring Board, Saurashtra University. He was a part of the High Power Advisory Committee, Karnataka State Open University, Member, Task Force on Reference Materials, CPCB, New Delhi, Committee member, Ministry of Environment and Forests, New Delhi, Member, Academic Senate, S.V. University, Cochin University of Science and Technology, ANGRAU, Hyderabad and Board of Governors, A.P Residential Educational Institutions Society. He was also an international Scientific Committee member, Biological Environmental Specimen Banking, Sweden and Austria.

**Awards and Honours:** Fellow of Alexander von Humboldt (AvH) Foundation, Germany, ACTIM of France, JSPS of Japan and DAAD of Germany, and recipient of prestigious awards by Chemical Research Society of India Bronze Medal (2003), Life-time achievement award for academic excellence by S.V.University and Best teacher award by Andhra Pradesh State Government in 2002. He is Council Member, Chemical Research Society of India, Bangalore, Indian Society of Chemists and Biologists, Indian Council of Chemists, Founder President, Society for Environmental Chemists, Sectional President, Environmental and Analytical Chemistry, IX<sup>th</sup> Annual Conference of the Indian Council of Chemists.



	<p>Name: <b>Prof. Jaya Shree A.</b>  Born: 14-09-1963  Elected: TAS/ 2015  Address: Professor of Chemistry &amp; Director, IST, JNTUH, Head and Chairman, BOS, CCST, IST, JNTUH  Mobile: +91-9491442444, +91-8008103809  E-mail: <a href="mailto:Jayashreeanireddy@gmail.com">Jayashreeanireddy@gmail.com</a>, <a href="mailto:Jayashree@jntuh.ac.in">Jayashree@jntuh.ac.in</a>,</p>
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**Prof. A. Jaya Shree** Professor of Chemistry, Director, Institute of Science and Technology, JNTUH, & Head, Centre for Chemical Sciences and Technology, IST, JNTUH. **Fellow of Royal Society of Chemistry UK (2017),**

**Academic and Research Achievements:** Ph.D graduate from Osmania University in 1992 with UGC/CSIR NET fellowship. Fellow of professional bodies like RSC, London, TAS, Telangana State, Indian Chemical Society (ICS), Kolkata and member, American Chemical Society (USA), The Indian Science Congress Association, Indian Council of Chemists, Indian Association of Chemistry Teachers (IAC, TIFR) etc. Teaching postgraduate students for the past **26** Years and taught several challenging topics in organic chemistry. Guided many Ph.D., M.Phil., M.Sc., and M.Tech., students to carryout projects. Currently supervising **10** full time research scholars working for Ph.D. Degree with CSIR/UGC/INSPIRE Research Fellow ships at Centre for Chemical Sciences and Technology, Institute of Science and Technology, JNTUH and **20** part time research scholars from reputed pharma industries. Published more than **160** research papers in national and international journals and conferences. Attended more than **75** National and International conferences and presented scientific papers in conferences including International conferences organized at USA, China, Dubai, Hyderabad etc. Organized various national and international conferences and seminars. Designed and organized **6** UGC sponsored Refresher Courses in chemistry (3 weeks) at academic staff college, JNTUH, for chemistry teachers.

**Other Contributions:** Member-BOS for JNTUH affiliated colleges. Conducted several campus interviews for post graduate students, and originality and ability to execute projects independently as well as in collaboration. As the Director of IST, JNTUH, is executing the world bank project TEQIP II very diligently in the capacity of Member secretary. TEQIP-II has sanctioned 12.5 Crores to IST and IST is among the best performing institutes in India.

**Awards and Honors:** Recipient of **State Award for Meritorious Teacher (Best Teacher Award)** from the **Government of Telangana State** for the year **2016**. **Member, American Chemical Society (USA)**. **Fellow - Indian Chemical Society (ICS)** Kolkata, India. Recipient of **Bharat Shiksha Ratan Award** from Global Society for Health & Educational Growth for **2016**. Recipient of **Research Excellency Award** for the year **2015** from The Indus Global Foundation. Appointed as **The Director**, Institute of Science and Technology by **JNTUH**, in **2014** to **Present**. Appointed as **The Head**, Centre for Chemical Science & Technology, by **JNTUH** in **2014** to **Present**. **Member, Academic Senate of JNTUH**. **Member, Board of Governors** for various affiliated colleges of JNTUH. **Member, Academic Council** of various affiliated colleges of JNTUH. **Member, Board of Studies** for various affiliated colleges of JNTUH. **Life Member - Indian Association of Chemistry Teachers (IAC)**, Tata Institute of Fundamental Research (**TIFR**), Mumbai (**Life Member, LM 400**). **Life Member – The Indian Science Congress Association**, Kolkata, India (**Life Member-L24172**). **Life Member – Indian Council of Chemists-(Life Member, LM, 1679)**



**Name:** Dr. Jayathirtha Rao V.  
**Born:** 01-06-1957  
**FTAS:** TAS/2006  
**Address:** Indian Institute of Chemical Technology (IICT), Hyderabad-500 007  
H. No. 14-155/4 Beerappagadda, Uppal, Hyderabad-500039;  
**Mobile:** 9866063248  
**E-mail :** [vaidya.opv@gmail.com](mailto:vaidya.opv@gmail.com)

#### **Academic and Research Achievements:**

V. JAYATHIRTHA RAO has obtained his BSc and MSc from Osmania University, Hyderabad. PhD (Prof. V. Ramamurthy) from Department of Organic Chemistry, Indian Institute of Science, Bengaluru, India - in 1983. Post Doctorate (Prof. R. S. H. Liu) 1983-1984 at University of Hawaii, Honolulu, USA; Research Associate (Prof. Koji Nakanishi) 1985-1986 at Columbia University, New York, USA. He was Head, Deputy Director and Chief Scientist of Fluoro Agro Chemicals Division of Indian Institute of Chemical Technology, Hyderabad, which is a premier R&D institute in India. Presently he is Emeritus Scientist at Fluoro Agro Chemicals Division (Org. Chem. Dvn. II), CSIR-IICT, Hyderabad. He is Alexander von-Humboldt Fellow - Germany. He was visiting scientist at Tulane University, New Orleans-USA (1996-97) and also at University of Miami, Coral Gables, Florida – USA (2006-07). He is honored with Fellow of The Royal Society of Chemistry “FRSC” (London) in 2008. Editorial Board Member, Indian Journal of Chemistry. Editorial Board Member ARKIVOC journal. Acted as Judge in a Tribunal Court, Telangana State - 2015-16. Chartered Chemist (CChem) - Royal Society of Chemistry (London) 2016. Telangana Scientist – Jogulamba.Gadwal District Honor-2017. Consultant/Advisor to Pharma Industry of Hyderabad – 2018.

#### His research interest:

Organic materials for applications in solar cells, light emitting devices, optical sensors, NLO compounds, NIR compounds.....

Synthesis of heterocycles for bioevaluation – Medicinal Chemistry; Cardiotonic Agents


Organic photochemistry – Academic: Highly Polarized Excited State & its Role in Organic Materials

Method development for APIs – analytical studies

Process development and technology: Pesticides, intermediates, Strategic Chemicals etc....

He has published >210 publications, >80 patents, >50 processes, 3 Book Chapters, 2 Books, Three Reviews, Two Bulletins and Technologies Demonstrated. He has trained ~42 PhDs and >120 Master students for his credit. Presently ~10 PhD students working.

**Other Contributions:** Acted as Science Quiz Master on several occasions. Popularisation of Science with the help of Indo German Nach Kontakt Association (IGNA) and RSC Deccan Section Hyderabad. Awareness, Advancement and Developing Science at Rural Areas.


	<p><b>Name:</b> Prof. Jeevan Rao K.</p> <p><b>Born:</b> 5-12-1958,</p> <p><b>FTAS:</b> TAS/2011</p> <p><b>Address:</b> Villa No 12 A ,Giridhari Villa Onyx, Kismatpur, Gandipetmandal, Rajendranagar, Hyderabad-500086</p> <p><b>Mobile:</b> 9948043048/9652596105/</p> <p><b>Email:</b> <a href="mailto:kjeevanrao@yahoo.co.in&amp;jeevanrao2008@gmail.com">kjeevanrao@yahoo.co.in&amp;jeevanrao2008@gmail.com</a>,</p>
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B.Sc (1980), M.Sc (1982), Ph. D. (1993), ANGRAU, Hyderabad. PGTEP – (1995), University of Gent, Belgium; PGDEM- (1996), Central University, Hyderabad. Soil and Water Pollution, Soil Chemistry & Fertility, Organic Waste recycling. Research Papers–80, Review Papers, Book chapters-30, Seminars and conference papers-70, & popular articles –80, 36 years (8 years-Research, 23 years-Teaching and 5 years-Administration). Membership of Professional Societies: Life member of Indian Society of Soil Science, New Delhi; Indian Association For Environmental Management, NEERI, Nagpur; Indian Science Congress Association, Kolkata etc. *Belgium(1995), USA(1997), France (1998), USA (2007)*. Completed ICAR Adhoc project on USW (1997-2000) and One NATP-CGP project on Bioconversion of Urban Solid Wastes and Agricultural Wastes (2001-2005) and one ITC paper Boards funded project is completed for 10 years. (2005-2015).

**Academic and Research Achievements:** Investigations have contributed towards understanding the nature and extent of soil and water pollution hazards due to Urban Solid Wastes, Industrial Effluents and Sewage waters under field conditions and their safe disposal. His work has had far-reaching applications in such diverse areas of solid waste management, soil and water pollution, and heavy metals in food chain etc. The studies revealed that management of urban wastes and agricultural wastes through composting technology is an environmentally friendly and cost effective way to transform high volume heterogeneous by products into a product having economic value. Compost enrichment with beneficial microorganisms and mineral additives such as rock phosphate and other additives helped in improving the agronomic value of the compost. His studies will be useful in developing soil quality policies and understanding linkages among soil, waste, water pollution and environmental protection. His research papers were widely cited around the world. He went on to develop a laboratory in the university for the first time for the study of soil and water pollution and organic waste recycling in agriculture by incorporating the interdisciplinary style.

**Other Contributions:** In 36 years of total active service continuously engaged in teaching of UG & PG courses besides doing research projects. Regularly updated knowledge in the subject. Efforts were made to give career orientation of syllabus and additional (local) curricular inputs (project work/ hands on experience to students). Innovative teaching methods/ aides developed. Academic planning for the year and preparation for classroom teaching. Interest in conducting co-curricular activities like seminars/debates / quiz etc., that train students in general skills. Contribution to organization of extra curriculum activities like Games, NSS, Clean & Green etc., Interest shown/ support extended in student welfare, career and general counseling etc. Efforts to secure community help in the college development. Assistance to college administration in admissions, discipline, examination, college development etc.,

**Awards and Honours:** Received Raman Prize (1979); VidyaPrakashan Silver medal (1980, ICAR) Zonal Award for best Ph.D thesis (1993); BADC scholarship, Belgium (1995); Academy of Environmental Biology -Best presentation Certificate-1995; PGDEM (1996), Central University, Hyderabad. ANGRA University Meritorious Teacher Award – 2000. Honorary Fellowship of Society of Environmental Sciences, 2003. Fellow of the Indian Association for Environmental Management, NEERI, Nagpur. Fellow of Academy of Environmental Biology, Lucknow-2005. Shiksha Rattan Puraskar, IIFS, New Delhi. Dr.P.G.Krishna Memorial Gold Medal and Citation for original published research work in soil science-2009 from ANGRAU. State Meritorious Teacher Award-2010. Vice President Indian Society of Soil Science, New Delhi for the years 2011&2012. Green Leaf Award 2011. Andhra Pradesh Scientist Award-2011. Fellow of Andhra Pradesh Akademy of Sciences-2011. LifeTime Achivement Award-2011, Eminent Educationist award-2011. Member, Board of Studies, Annamalai University-2012-2013. Member, Executive Council of Telangana State Akademy of Sciences-2015-2020. Member, ENVIS Coordination Committee, EPTRI, Hyderabad- 2015. Member, Board of Studies, Layola Akademy, Hyderabad-2014-2015. President- Hyderabad Chapter , Indian Society of Soil Science-2015-2018.


	<p><b>Name:</b> Dr. Jeevananda Reddy S.</p> <p><b>Born:</b> 04-11-1943</p> <p><b>FTSA:</b> TSA/2004</p> <p><b>Address:</b> Formerly Chief Technical Advisor – WMO/UN &amp; Expert – FAO/UN Convener, Forum for a Sustainable Environment Plot No. 277, Jubilee hills-III, Road No. 78, Hyderabad-500 096</p> <p><b>Telephone:</b> 040-23550480</p> <p><b>E-mail:</b> <a href="mailto:jeevanandareddy@yahoo.com">jeevanandareddy@yahoo.com</a>; <a href="mailto:jeevananda_reddy@yahoo.com">jeevananda_reddy@yahoo.com</a>,</p>
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Dr. S. Jeevananda Reddy is an Agrometeorologist got post-graduation in Geophysics & Applied Statistics with the Advanced Training in Meteorology & Oceanography and numerical weather prediction. Dr. Reddy got his Ph.D. in Agricultural Meteorology from the “The Australian National University”, Canberra.

**Academic and Research Achievements:** Dr. Reddy has a wide experience in the field of Agrometeorology and Agroclimatology while working in several national [India Meteorological Department – IMD] and International Institutions [International Crops Research Institute for the Semi-Arid Tropics – ICRISAT]/Organizations [IICA/EMBRAPA, FAO/UN & WMO/UN] within and outside India [Australia, Brazil, Argentina, Mozambique, Ethiopia, Rome & Geneva]. Dr. Reddy served Food and Agriculture Organization of United Nations [FAO/UN] as Expert – Dy. Team Leader & World Meteorological Organization of United Nations [WMO/UN] as Chief Technical Advisor – Team Leader. Dr Reddy presented concept of adopting agriculture in long-term agriculture planning in the semi-arid tropics. In this direction Dr. Reddy brought out several reports & books to educate the World Community; and published few hundred scientific articles in national and international journals and as well presented at several national and international conferences in the fields of the Earth & the Atmospheric Sciences. Dr. Reddy also contributed few hundred popular articles to daily newspapers and magazines. Reddy S.J., (1993). “Agroclimatic/Agrometeorological Techniques: As applicable to dry-land agriculture in developing countries”, Books [1993]:205 [Book review: Agricultural and Forest Meteorology, 67:325-327 [1994]; Reddy S.J., (2002). “Dryland Agriculture: An Agroclimatological and Agrometeorological Perspective”, BS publications, Hyderabad, 429p; Reddy S.J., (2019). “Agroclimatic/Agrometeorological Techniques: As applicable to Dry-land Agriculture in Developing Countries”, [2<sup>nd</sup> Edition]. Brillion Publishing, New Delhi, 372p; Reddy S.J., (2016). “Irrigation and Irrigation Projects in India: Tribunals, Disputes and Water Wars Perspective”, BS Publications, Hyderabad, 232p; Reddy S.J., (2016). “Climate Change and its Impacts: Ground Realities”, BS Publications, Hyderabad, 276p; Reddy S.J., (2019). “Workable Green Revolution: Agriculture in the perspective of Climate Change”, Brillion Publishing, New Delhi, 221p; & Reddy S.J., (2019). “Water Resources Availability over India”, Brillion Publishing, New Delhi, 224p.

**Other Contributions:** Scientific Committee on Solar Terrestrial Physics [SCOSTEP] of American Academy of Sciences identified Dr Reddy’s paper as ONE OF THE 15 PAPERS of unusual interest, identified among papers published world over up to that time and included in the introduction to Abstracts Volumes brought out in 1976.

**Awards and Honours:** Life Member of India Meteorological Society [IMS] and four terms IMS Hyderabad Chapter Committee Member; was a Hon’y Secretary – SPEQL; was a General Secretary – FBH; Founder Convenor of Agriculture Committee in Energy Conservation Mission; was a member of Task Force Committee & CFE Committee of APPCB & Co-opted Member of Supreme Court Hazardous Waste Management Committee; Presently Convenor – Forum for a Sustainable Environment.

	<p><b>Name</b> : Dr. JEMMIS E.D.</p> <p><b>Born</b> : 31-10-195</p> <p><b>FTAS</b> : TAS/2002</p> <p><b>Address</b> : Dept. of Inorganic &amp; Physical Chemistry Indian Institute of Science (IISc), Bangalore – 560 012, Karnataka</p> <p><b>Mobile</b> : 9483598097</p> <p><b>E-mail</b> : <a href="mailto:jemmis@ipc.iisc.ernet.in">jemmis@ipc.iisc.ernet.in</a>, <a href="mailto:jemmis@gmail.com">jemmis@gmail.com</a>,</p>
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BSc. University College, Thiruvananthapuram and MSc IIT Kanpur, Ph. D. (Princeton University, 1973). After a two-year post-doctoral work at Cornell University joined the School of Chemistry, University of Hyderabad (1980) Professor (1990) and Dean (2002). Jemmis was a Visiting Fellow at the Australian National University, Canberra (1991) and a Visiting Professor at the Centre for Computational Quantum Chemistry of the University of Georgia, Athens (2000). Dr. Jemmis is an honorary Professor at JNCASR and Adjunct Professor at ICTS-TIFR. In 2005 (IISc), Bangalore (2008) Dr. Jemmis moved again, on a five year deputation, and to start the Indian Institute of Science Education and Research Thiruvananthapuram. returned to IISc Bangalore in 2013.

**Academic and Research Achievements:** Jemmis is engaged in the study of structure and reactivity of molecules, clusters and solids using theoretical methods. A constant attempt is made by his group to find common threads between problems of different areas, viz. between organic and organometallic chemistry; amongst the chemistry of various main group elements; between polymorphs of elements and their compounds; etc. Significant results have been obtained in understanding the electronic structure of three-dimensional aromatic compounds, polyhedral boranes, electron counting rules for polycondensation, structure of elemental boron allotropes, and reactions of transition metal organometallics. Several of his predictions have been proved experimentally. The Jemmis mno Rules for polyhedral boranes have found a place in textbooks and are being taught in Inorganic Chemistry Courses in leading educational institutions around the world. He has mentored 20 PhD students and several postdoctoral and students and research associates, and published about 200 research articles.

**Other Contributions:** Jemmis has served the cause of University of Hyderabad, Indian Institute of Science, the science academies, many Govt Departments and the University Grants Commission of the country in various capacities. Dr. Jemmis was instrumental in starting the Center for Modelling Simulation and Design at Univ of Hyderabad. He is currently a member of Board of Governors of IIT Kanpur, National Institute of Science Education and Research Bhubaneswar, and the Homi Bhabha National Institute, Mumbai, Management Board of TIFR-Hyderabad Centre and Board of Research in Nuclear Sciences (BRNS), Executive Council of the Pondicherry Central University and the Tamil Nadu Central University. He is a Member of the Scientific Advisory Board of World Association of Theoretical and Computational Chemists and is a Member of the International Board of Asia Pacific Association of Theoretical and Computational Chemists (2007).

**Awards and Honours:** Received National Science Talent Search Scholarship of NCERT (1968), INSA Medal for Young Scientist (1982) and AK Bose Memorial Medal of INSA (1988); SS Bhatnagar Prize of CSIR (1994), Jagdish Shankar Memorial Lectureship of INSA (2000); Millennium Medal and Lecture (CSIR, 2000), Silver Medal of CRSI, (2002), the TWAS Prize in Chemistry (2003), Professor Priyadarajan Ray Memorial Award, Indian Chemical Society, 2005, and JC Bose National Fellowship of DST (2006), Fellow of Indian Academy of Sciences, Bangalore (1992), , National Academy of Sciences (India), Allahabad (2003), and the Academy of Sciences for the Developing World (TWAS), Trieste, Italy (2004).




	Name : <b>Prof. Jyothy A.</b> Born : 20-01-1956 FTAS : TAS/2010 Address : Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad -500016 Tel : (040) 23403681, 23403680 (L), 27552936 (R) ; E.mail : Jyothy cell@rediffmail.com
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**Academic and Research Achievements:** M.Sc. (1978) and Ph.D (1982) in Genetics from Osmania University, Hyderabad and did Postdoctoral research at IICT, Hyderabad. Joined the Institute of Genetics and Hospital for Genetic Diseases, Osmania University, Hyderabad as Asst. Prof. in 1989. Prof. Jyothy assumed the duties as Director in 2005 and serving till date. Her major areas of research include; Mental Retardation, Birth defects, Cardiovascular disorders, Diabetes & Stroke. Guided M. Phil, Ph. D and Post doctoral students. 10 Ph.D's were awarded under her supervision. Published over 150 research papers in peer reviewed journals She has organized more than 40 International & national Conferences, She has delivered invited talks and chaired scientific sessions. Prof. Jyothy has obtained research funding from DBT, DST, ICMR and UGC, Established advanced postnatal and prenatal diagnostic facilities and successfully completed several projects pertaining to maternal and child health.

**Other Contributions:** Prof. Jyothy has established genetic clinics in two major hospitals of the city. She has organized advanced short term training Courses in Genetic Diagnosis and Counseling for mid career scientists She has played pivotal role in medical consulting in rural areas. In this direction, she initiated TOT model of training programme and has trained the medical officers of primary health centers (PHCs) under RVM – SSA Programme of Govt. of AP. As an extension service of the institute, under her guidance, “Special education centre for the mentally handicapped”, is catering to the needs of special children and their families. She was instrumental in introducing summer and winter training programs for post graduate students of medical and life sciences in the field of Applied Human Genetics. She has also introduced Certificate courses in Clinical Genetics: Diagnostics and Management & Genetic Counseling.

**Awards and Honours:** Prof. Jyothy has received HPS-IMH oration award (2009-10) from Hyderabad Psychiatric Society, Women Achievers Award (2011) from Organization for Women in Science for the Developing World (OWSDW) and Eminent Educationist Award from Indo-Global Education Expo & Summit (2014). Nominated Fellow of Andhra Pradesh Academy of Sciences (2010). Prof Jyothy has been invited to be a member of many prestigious health, research and community organizations. Notable among her positions and memberships are: Member of Geneva Foundation for Medical Education and Research. National steering committee of Rashtriya Bala Swasthya Karyakram, Ministry of Health and family Welfare, Govt. of India; State Level Advisory Committee for Pre-Conception and Prenatal Diagnostic Techniques Act and misuse, Govt. of A.P, India; State monitoring and Inspection Committee for PCPNDT Act, Govt. of Andhra Pradesh; Executive Council member of Andhra Pradesh Academy of Sciences, Hyderabad, India; Senate member, NTR Health University, Vijayawada, India.; Treasurer, Indian Society of Human Genetics (ISHG) for 2 terms; Chairman, Institutional Ethics Committee, Indian Institute of Chemical Technology (IICT), Hyderabad; Scientific Advisory Committee - Krishna Institute of Medical Sciences (KIMS), Jawaharlal Nehru Institute of Advanced Studies (JNIAS), Innova Children's Heart Hospital, MAA ENT Institute, and Mahaveer Hospital and Research Centre, Hyderabad, Global Hospital, Hyderabad and Owaisi Hospital and Research Centre, Hyderabad. Member, Institutional Ethics Committee of several organizations & hospitals. Member, UGC & DRDO RAC Task Force Committees. Reviewer of National and International Journals.




	<p><b>Name:</b> Dr. Kalachand Sain,</p> <p><b>Born:</b> 05-02- 1964</p> <p><b>FTAS :</b> TAS / 2010</p> <p><b>Address:</b> Chief Scientist &amp; Head of Seismic Group, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad –500007</p> <p><b>Mobile:</b> 9440964038</p> <p><b>E-mail:</b> <a href="mailto:kalachandsain@yahoo.com">kalachandsain@yahoo.com</a>; <a href="mailto:klachandsain7@gmail.com">klachandsain7@gmail.com</a></p>
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M.Sc.(Tech) in App. Geophysics, IIT (ISM), Dhanbad in 1988; obtained Ph.D. from CSIR-NGRI & OU, Hyderabad; Joined as a Scientist, and elevated to Chief Scientist & Head of Seismic Group at CSIR-NGRI. Visited Cambridge University (UK) and Rice University (USA) as a post-doc; Professor at the AcSIR of NGRI.

**Academic and Research Achievements:** Main interests include (i) Exploration of marine gas hydrates; (ii) Imaging sub-volcanic sediments; and (iii) Understanding geo-tectonics. Developed innovative approaches, and built expertise on modeling, advanced processing & interpretation of seismic data; attenuation; attributes; AVO modeling; 2D traveltime & full-waveform inversion; Impedance inversion; pre-stack depth migration; rock physics modeling; Published ~125 papers in peer-reviewed journals, 97 non-SCI articles/reports, and guided for 65 dissertations by M.Sc. Tech. students in App. Geophysics. Produced 5 Ph.D. and guiding for 8 students for doctoral studies. **Major Contributions:** Established state-of-the-art Gas Hydrate Research Center at CSIR-NGRI; led a modern cruise in 2010 by designing a specific experiment and acquired high-quality multi-channel & ocean bottom seismic data; delineated potential zones of gas-hydrates in KG, Mahanadi & Andaman basins from where gas hydrates were later recovered by drilling & coring; computed meta-attribute from a set of seismic attributes based on machine learning language, and demonstrated its application for image enhancement of subsurface features like gas-chimneys, faults, slump deposits, channel systems, volcanic intrusion etc; developed state-of-the-art full waveform wide-angle seismic tomography, and delineated for the first time fine-scale 2D velocity structure of sub-volcanic sediments in Kerala-Konkan offshore; shed light for tectonic implications of Southern Granulite Terrain, Dharwar Craton, Eastern Ghats-Cuddapah basin, Narmada Lineament, Kutch Peninsula, Marwar Basin, Bengal Sedimentary Basin, Mahanadi Delta and NW Himalaya; understand processes of Bhuj (2001) & Jabalpur (1997) earthquakes.

**Awards and Honors:** Prof. Jagdeo Singh Memorial Award (2018) for the best paper in JGSI; Distinguished Alumnus Award (2017) by IIT(ISM); Decennial Award (2016) by IGU; Anni Talwani Memorial Prize (2014) by IGU; Best Paper Award (2012) in Gondwana Research (IF=8.74); AP Scientist Award (2011); NN Chatterjee Award (2010) by GSI; Prem Bahadur Memorial Lecture (2009) of IGC; Best Poster Award (2007) by Petrotech Int. Conf. on Oil & Gas; National Mineral Award (2005) by the Union Ministry of Mines; Best Paper Medal (2002) by APAS; Swarnajayanti Project Award (2001) by DST; Young Scientist Award (1998) by CSIR; Krishnan Medal (1996) by IGU. **Fellowships:** Founding Fellow of Telangana Acad. of Sci. (2016); Natl. Acad. Of Sci., India (2011); AP Acad. Sci. (2010); Geol. Soc. India (2008); IGU (2002); Raman Fellowship (2003) by CSIR; BOYSCAST Fellowship (1999) by DST. **Recognitions:** Alternate Delegates for Asia Pacific Region of Am. Assoc. of Petrol. Geologists (AAPG) (2015-2017); Treasurer of Federation of Indian Geosci. Ass. (2015 onward); Hon. Secretary of IGU (2014 onward); VP for Soc. of Petrol. Geophys., Hyderabad Chapter (2011-2014); Thesis Supervisor at HCU (2011 onward), AU (2011 onward) and OU (2007 onward); Chief Scientist for scientific cruises (2007, 2010 & 2017); Bureau Member of International Lithosphere Program of IUGG (2007-2015); Earned huge ECF (INR 50 crores) for pursuing research on Gas Hydrates and Sub-volcanic Mesozoics. **Memberships:** Active member of AAPG; SEG Global (2000 onward); IGU, ISCA, IGC; Jour. Geol. Soc. India (2011 onward); Episodes (2007 - 2011); Geohorizons (2006 - 2013); Int. Jour. Earth Sci. & Eng. (2008 onward); Open Access Jour. of Geophys. & Rem. Sensing (2013 onward); Open Access Int. Jour. of Geosci. Res. (2013 onward); 2nd Edition of Encyclopedia of Solid Earth Geophysics, 2011 by Springer; Guest Editor, Marine & Petroleum Geology, 2011, 2014 & 2018 by Elsevier. Research Advisory Committee of DOD (2002-2004); Indian National Gas Hydrates Program (2000 onwards); **Conferences:** Organized 51<sup>st</sup>, 52<sup>nd</sup>, 53<sup>rd</sup>, 54<sup>th</sup> and 55<sup>th</sup> conventions of IGU; Convened 9th Int. Methane Hydrates R&D Workshop; Co-Convened Int. Workshop on Exploration & Exploitation of Shale Gas; Organized Natl. Seminar on Gas Hydrates at NIOT, Chennai; Convened 14 sessions in Int. /Natl. Seminars; Chaired 33 sessions; Delivered 34 invited talks; Taught Courses on 'Seismic Tomography' and 'Seismic Modeling' at Int. Con. & Exp. of SPG-India.

	<b>Name:</b> Dr. Kalpagam Polasa <b>Born:</b> 14-03-1952 <b>FTSA:</b> TSA-2015 <b>Address:</b> Flat 502, SR Park View residency, Road no 2, Kakatiya Nagar, Habshiguda, Hyderabad 500007 <b>Mobile:</b> 9849512563 <b>E-mail:</b> <a href="mailto:kpolas@yahoo.com">kpolas@yahoo.com</a>
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PhD Microbiology OU (1980). MBA (IGNOU 1999). Joined the Food and Drug Toxicology Research Centre at the National Institute of Nutrition on April 1<sup>st</sup> 1980 as scientist and retired on 30<sup>th</sup> april 2015 as Scientist G and Director in charge. Received post doctoral research at the Institut Curie at Paris France and at Sylvius Laboratory, Leiden, Netherlands (1990-1992), Visited Michigan State University at East Lansing for advanced training in food safety (2010) She has been trained by NGCMA (National GLP Compliance Monitoring Authority) of DST and carried out many inspections for GLP certification of drug testing facilities as inspector and lead inspector.

**Academic and Research Achievements:** She has been a topper throughout her academic career and stood first in university in MSC exam. She has passed all the examinations with first class and Distinction. She has worked on pharmacokinetics of anti tubercular drug Rifampicin in undernourished tuberculosis patients. She has evaluated the effect of food on the pharmacokinetics of Rifampicin. She has studied the beneficial health effects of commonly consumed spices for beneficial health effects. He has shown that Turmeric and its active principle curcumin have anti mutagenic, anti carcinogenic and antioxidant properties. She has demonstrated that turmeric can stimulate the synthesis of protective xenobiotic metabolizing enzymes. She has conducted experiments in human to show that intake of 1.5g of turmeric reduced the tobacco derived mutagen excretion in urine by the smokers. Similarly anti mutagenic/anti cancer properties of alliums like garlic and onion, mustard and ginger were shown to have protective effects on carcinogenesis.

Food borne illnesses contribute to morbidity and mortality in the population. She was PI of pan India study to assess the knowledge, attitude, behavior and practices of population with respect to food safety. The project was funded by World Bank and Ministry of Health and Family Welfare. It is the first ever data base established on food safety in India. She assessed risk due to contaminants intake through food by conducting Total Diet Study funded by WHO. She performed risk assessment of trans fat (TFA) intakes at various levels by population and submitted the report to FSSAI. This formed the basis to initiate the process of implementation of TFA regulation in the country. In a pan India study supported by FSSAI consumption of processed and non-processed foods was investigated and the report submitted to FSSAI. She served as WHO food safety expert to Bhutan and trained all the food inspectors in the country. She had visited SriLanka at the invitation of US embassy and conducted a training program for the food inspectors.

**Other Contributions:** Published many research papers in peer reviewed journals, book chapters and popular articles in nutrition and food safety.


**Awards and Honors:** Was awarded merit certificate and medal for obtaining first class distinction in HSC, Certificate for standing first Rank in MSC in 1976. Was given young scientist award by Nutrition Society of India. Was head of delegation of workshop on functional foods in Australia. Recipient of INF travel award to attend workshop on research methodology by Tuft University at Taipei, Taiwan. Deputed by DST to go to attend international conference on Functional Foods and give plenary talk at Singapore.

	<b>Name:</b> Dr. Kamala Jayanthi P. D. <b>Born:</b> 16-07-1968 <b>FTAS:</b> TAS/2016 <b>Address:</b> ICAR-Indian Institute of Horticultural Research, Hesseraghatta Lake PO, Bangalore 560089; # 17 Basappa Layout, Sanjaynagar, Bangalore 560094 <b>Mobile:</b> 9972366714 <b>E-mail:</b> <a href="mailto:jaainsect@gmail.com">jaainsect@gmail.com</a> , <a href="mailto:jaipdk@icar.gov.in">jaipdk@icar.gov.in</a>
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MSc (Ag) in Agricultural Entomology and PhD in Agricultural Entomology(Acharya N.G.R.U), joined the Indian Institute of Horticultural Research, Bangalore as Scientist. Visited Kansas State University, USA as BOYSCAST Fellow (2004-05); Rothamsted International Fellow at Rothamsted Research, UK (2011) and Fulbright-Nehru Professional and Academic Excellence Fellow at the Pennsylvania State University,USA (2017).

**Academic and Research Achievements:** Dr. Kamala Jayanthi research focuses on phyto-semiochemicals involved in insect-plant and insect-insect interactions to decipher potent cues to strengthen current Integrated Pest Management programs. Isolated and identified potent chemical cues that are attractive to gravid female mango fruit fly, *Bactrocera dorsalis* and melon fly, *B. cucurbitae*. Proposed computational chemical ecology approach, as a rapid method to identify kairomones instead of using lengthy, traditional procedures. She further proved that oviposition site selection in *B. dorsalis* is mediated through an innate recognition template tuned to  $\gamma$ -octalactone and developed novel kairomonal blend to attract gravid female tephritid fruit flies, *B. dorsalis*. Her studies have shown that centuries of domestication has not impaired oviposition site-selection function in the silkworm, *Bombyx mori* and formulated a blend to enhance fertile egg laying in this economically important insect. She also investigated and identified ROS generation as first line defense in *Sechium edule* against melon fly infestation. Her studies led to the development of bait fruit technology to manage hard to control fruit sucking moth, *Othreis* sp in several commercial fruit crops. Her field ecological studies established the unique social facilitation behavior in mango webber *Orthaga exvinaceae*, which serves as a weak link to manage this pest effectively. Developed forewarning models as decision making tools to predict pest incidence for spray interventions and also complete packages of eco-friendly IPM relevant to growers and exporter needs for major pests of tropical fruit crops.

**Awards and Honours:** Recipient of ISCA “Young Scientist Award” (2000). Recipient of ICAR “Lal Bahadur Shastri Young Scientist Award” (2005). Awarded “Biotech Product & Process Development and Commercialization (2014)”, Member for Fruit fly *Bactrocera dorsalis* trap development and commercialization. Received “Rothamsted International Postdoctoral Fellowship”. Recognized as “Fellow of Association for Advancement of Pest Management in Horticultural Ecosystems” and as “Fellow of Society for Biocontrol Advancement”. Selected as “ICAR National Fellow” to work exclusively on Phyto-semiochemicals involved in the insect-plant interactions of major horticulture pests. Recipient of “Panjabrao Deshmukh Outstanding Woman Scientist Award” (2013), a “Fellow of Royal Entomological Society (FRES)” (2016) and Fulbright-Nehru Fellow (2017), Dr K M Singh Memorial Award (2018).

	<p> Name : <b>Dr. Kamala Krishnaswamy</b>  Born : 04-04-1940  FTAS : TAS/1993  Address : Former Director &amp; Emeritus Medical Scientist (ICMR),  National Institute of Nutrition, Jamai-osmania, Hyderabad-7  Mobile : 9866235238,  E-Mail : <a href="mailto:kamala.krishnaswamy@gmail.com">kamala.krishnaswamy@gmail.com</a> </p>
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**Academic and Research Achievements:** Thirty seven years at the National Institute of Nutrition, Hyderabad; **Diet and chronic diseases:** Diabetes ,Cardiovascular and Metabolic disorders – Risk factors/ Glycemic Index/Interventions in diabetes. **Diet and cancer** :Carcinogens/anticarcinogens/antimutagens/biomarkers. **Clinical pharmacology:** (pharmacokinetics & dynamics, Environmental Toxicology,Pre-clinical/ClinicalToxicology),Drug/utilization. **Clinical Nutrition:** (Adult nutrition, Vit. B-complex nutriture, CVD).

**AWARDS and Honors:** **Dr. Gopalan centenary award** of nutrition society of India. 2018, **Ramachandran oration award** from Nutrition Foundation of India 2011, **Honoured as eminent women scientist** by Mother Teresa Women's University, Kodaikanal, Tamil Nadu, 2009, **Honoured as eminent pharmacologist** by Indian Pharmacological society-2007, **Dr. Rajammal.P. Devadas Annual Oration**, 13<sup>th</sup> April, 2005, **Indian Medical Association**, Certificate of Excellence, World Woman's Day, 12<sup>th</sup> March, 2005, **ASTC-Eminent Women Scientist Award**, 2004, **S.G. Srikantia Memorial Award Lecture** of NSI, 2004, **Basant Devi Amir Chand Prize**, ICMR, 1997, **Distinguished Scientist** for outstanding contributions in the field of Science & Technology, by AP Akademi of Sciences, 1997, **CIBA-GEIGY Award** for Nutrient Drug Interactions, 1989, **Dr. Kamala Menon Medical Research Award** in the field of Internal Medicine, 1988, **Dr. V.N. Patwardhan Prize** in Nutritional Sciences, 1977, **Shakuntala Amir Chand Prize** for Medical Research, 1973 & **Young Scientist Award** for Medical Research, 1972.




<b>Name</b>	: Prof. Kannan V.
<b>Born</b>	: 24-10-1946
<b>FTAS</b>	: TAS/2000
<b>Address</b>	: Professor, SRM University, Amaravathi, A.P,
<b>Mobile</b>	: 9949193737
<b>E-mail</b>	: <a href="mailto:vksm@uohyd.ernet.in">vksm@uohyd.ernet.in</a>

M.Sc. Madras University (through National College, Tiruchirappalli).Received Ph.D. Madurai University, on a topic combining Category Theory and Topology. He served in the faculty of Madurai University for about six years and then moved to the University of Hyderabad in the year 1978. He served as the Dean of the School of Mathematics & computer/information sciences for six years and as the first Pro-Vice-Chancellor of the University for five years.

**Academic and Research Achievements:** Beginning his research with his thesis on some categorical aspects of Topology, he published a research monograph “Ordinal invariants in Topology” as a full volume in the Memoirs of the American Mathematical Society. He has a wide spectrum of research interests including Approximation Theory, Functional Analysis, Topological Dynamics & Combinatorics.

**Other Contributions:** He has popularised mathematics through UGC Countrywide classroom (Door Darshan programs) and through his lectures at more than a hundred colleges in the country. His other interests include Tamil and Sanskrit literature, on which he has contributed through various media like All India Radio, Monthly magazines, etc. He has served in the Executive Council of several Universities such as Central University of Pondicherry, JNU Delhi, Central University of Bihar, Tejpur University, etc. He has served the Governing Board of IISER Thiruvananthapuram, etc.

**Awards and Honours:** President of Indian Mathematical Society(1992-93), ISCA Srinivasa Ramanujan Medal(2006), Fellowships FNA, FASc, FNASc, UGC National Lecturer (1984-85), Title: Jnana nidhi (from the Academy of Sanskrit Research, Karnataka), 2008, Degree (honoris causa) from Rashtriya Sanskrit Samsthan, Delhi, 2012, Hon. D.Litt (Vachaspati) from RSVP, Tirupati, INSA Council Member (2007-09), Chairman, Mathematical Sciences Committee, DST Swarna Jayanti Fellowships .(2011-2013), Member, Scientific Advisory committee for MHRD,Govt.of India(2011-2014), Member, SAARC Science Olympiad Program committee, sponsored by UNESCO & IGNOU (2012, 2013), Editor, IJPAM, Journal of INSA (2003-2011).

	<b>Name:</b> Dr. Kasbekar D. P. <b>Born:</b> 18-07-1956 <b>FTSA:</b> TAS/2017 <b>Address:</b> Senior Scientist, CDFD, Hyderabad <b>Mobile:</b> 8978251840 <b>E-mail:</b> kas@cdfd.org.in; kasbekardp@yahoo.co.in
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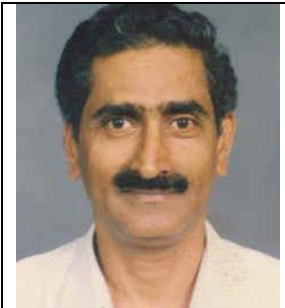
**M.Sc. Hons.** ( 1973-78) Birla Institute of Technology and Science, Pilani, India; **Ph.D.** (1978-83) State University of New York, Stony Brook, USA **Post Doctoral** (1984-89) Albert Einstein College of Medicine, New York, USA. **Scientist C to Scientist G** (1989-2012) Centre for Cellular and Molecular Biology, Hyderabad; **Haldane Chair** (2012-17) Centre for DNA Fingerprinting and Diagnostics, Hyderabad; **INSA Senior Scientist and Honorary Visiting Scientist** (Since 2017) CDFD and CCMB.

**Research Achievements (since 2013):** Reported (i) introgression of chromosome rearrangements (specifically, insertional and quasiterminal translocations) from one species (*Neurospora crassa*) into another (*N. tetrasperma*); (ii) [*Dp + Df*] heterokaryotic strains bearing complementary duplications and deficiencies in their constituent nuclei; (iii) compared the [*Dp + Df*] and sibling [*T + N*] heterokaryons to ask whether the translocated segment contains any “nucleus-limited” genes; (iv) a unique transmission ratio distortion (TRD) in crosses heterozygous for some of the introgressed translocations; (v) a model to explain the TRD by invoking a Bateson-Dobzhansky-Muller Incompatibility of a *N. crassa* gene co-introgressed into *N. tetrasperma*; and (vi) that ascospore partitioning in *Neurospora* is occasionally dissociated from the post-meiotic mitosis, and leads to formation of rare eight-spored asci bearing heterokaryotic ascospores. Expert in classical *Neurospora* Genetics.

**Other Contributions:** Editor, Journal of Biosciences (2010-2016). published an article on the “History and Development of Genetics Research in India: Three case studies” in the Indian Journal of History of Science. Wrote an article describing Obaid Siddiqi’s fine structure mapping studies of the *Aspergillus nidulans paba1* gene, and another that discussed David Perkins’s study showing why no paracentric inversions were ever isolated in *Neurospora*.

**Recognition:** National Science Talent Scholarship (1973-78); Rockefeller Foundation Biotechnology Career Fellowship (1991-93); Rajiv Gandhi Research Grant for Innovative Ideas in Science and Technology (1993); Raman Research Fellowship (2000); DBT Overseas Associateship - Short term (2006); Haldane Chair (2012-17); Guha Research Conference, since 2001; NIBMG Foundation Day Lecture, (2014); INSA Senior Scientist (2017). Fellow, Indian National Science Academy, Fellow, Indian Academy of Sciences.



	<p><b>Name:</b> Prof. Kavi Kishor, P.B.  <b>Born:</b> 29-03-1951  <b>FTAS:</b> TAS/2007  <b>Address:</b> Osmania University, Hyderabad 500 007,  <b>Mobile:</b> 09553564185  <b>Email:</b> <a href="mailto:pbkavi@yahoo.com">pbkavi@yahoo.com</a></p>
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Ph.D. Botany (1981) from Maharaja SayajiRao University of Baroda, Vadodara, Gujarat. Joined the Department of Genetics (1981) and initiated the work on Plant Biotechnology. Visited the Biotechnology Center, Ohio State University, Columbus, Ohio, USA (1992-1994) under the Rockefeller Foundation program. Visiting Professor at the Emory University, Atlanta, Georgia, USA in 2000; Visiting Professor at the Linkoping University, Linkoping, Sweden (2004); and a Visiting Scientist at the Leibniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany (2012).

**Academic and Research Achievements:** After becoming Professor of Genetics in 1994, served the Department and Osmania University in several capacities. Started an Advanced Diploma in Bioinformatics at the PGRR Center for Distance Education, Osmania University in 2001 and established the facilities. Initiated a P.G. Diploma in Bioinformatics in Osmania University, in the year 2006. Worked as Coordinator, UGC-SAP (Phase II & III), Chairman, BOS in Biotechnology (Osmania University) and as Course Coordinator, Advanced Diploma in Bioinformatics. Published 235 papers, edited/written five books, conducted several National and International symposia and workshops and visited 17 countries. Head, Department of Genetics from 2004 till 2006 and Chairman, Board of Studies in Genetics from 2006 till 2008. Guided/co-guided 41 Ph.D.s. Expert committee member of UGC, New Delhi, CSIR, New Delhi, ICAR, New Delhi, AICTE, New Delhi, DST-SERB, New Delhi. Served as a member of the Academic Senate, Osmania University from 2006 till 2011. Working on Proline Biosynthetic Pathway Genes in higher plants and the regulation of proline metabolism during plant salt and drought stress tolerance. Isolated several genes implicated in plant abiotic stress and validated them in crop plant systems. Down regulated several lignin biosynthetic pathway genes and shown that lignin biosynthesis can be effectively modulated without impacting the phenotype.


**Awards and Honours:** Received Professor Hiralal Chakravarthy Award in the year 1990. Received the best teacher award from A.P. State Government for the year 2008. Received Gold Medal from the Association of Biotechnology and Pharmacy, India, in 2010. Received Gold Medal from the Academy of Plant Sciences in 2012. Delivered Dr. V.N. Gadgil Memorial Lecture at the PTCA meeting held in Ahmedabad, and Dr. Patel Memorial Lecture. Received Prof. P. Maheswari Gold Medal and a citation from the Indian Botanical Society. Received Life-time Achievement Gold Medal and a Citation, from the Association of Biotechnology and Pharmacy. Elected Fellow of the National Academy of Sciences, Allahabad (FNASc); Elected Fellow of National Academy of Agricultural Sciences (FNAAS), Delhi, Fellow of the Botanical Society, Elected Fellow of the Indian Association of Biotechnology and Pharmacy, Elected Fellow of the Telangana Academy of Sciences, Hyderabad, Elected Fellow of the A.P. Akademi of Sciences, Amaravathi.

	<p><b>Name:</b> Dr. KIRTI SRIVATSAVA,  <b>Born:</b> 08-01-1962  <b>FTAS:</b> TAS/2010  <b>Address:</b> (Scientist, NGRI), #104, Sumeda Apts, St. No: 2, Habsiguda, Hyderabad-7  <b>Mobile:</b> 9885717702 <b>Off:</b> 23134545  <b>E-mail:</b> <a href="mailto:kirti@ngri.res.in">kirti@ngri.res.in</a></p>
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**Academic and Research Achievements:** 03/89- Scientist, National Geophysical Research Institute, Hyderabad, India 1985/89 JRF/SRF, National Geophysical Research Institute, Hyderabad, India, Course on Statistics being taught to AcSIR students at NGRI Hyderabad. A course on Statistical Physics was taught to students of M.Sc (Tech) Computational Geophysics of Osmania University, Hyderabad NAME - 2 - SERVICE: Member, Women Scientist Scheme, Department of Science and Technology, Government of India. (2007- continuing) Board Member - Department of Mathematics, Gokaraju Rangaraju Institute of Engineering and Technology, JNTU, Hyderabad, Chairperson and member of the Canteen and Guest house Committee Member of Farewell Committee.

**Other Contributions:** Organized the XVI Conference of Andhra Pradesh Society for Mathematical Sciences on “ Mathematical Modeling in Earth Sciences” during December 8-10, 2007 sponsored by Ministry of Earth. Convener of AGU Chapman conference on Complexities and extreme events in Geosciences, during Feb 15-19, 2010 Member of the Organizing committee of NGRI Golden Jubilee celebrations organized during October 2010-2011, CSIR Young Scientist Project : A scheme for modelling stochastic geophysical processes ( 1996-2004) DST Project : Stochastic modeling of the thermal structure to decipher the uncertainties in the seismogenic depths for seismically active regions of India ( 2006-2009) MoES Project : Tsunami modeling and inundation studies for the east and west coast of India due to earthquakes in Sumatra and Makran subduction zones (2009-2012) Kalpasar Project : Study of Tsunami Waves Impact on Structures and Tsunami Inundation Modelling for the Kalpasar Project (2010-2013)

**Awards and Honours:** National Merit Scholarship in High School CSIR Young Scientist Award - 1995 NAME - 3 - Post Doctoral Research Fellowship from Temple University, Philadelphia, USA(2004-2005) Fellowships of professional societies Fellow of the A.P Academy of Sciences Fellow Indian Geophysical Union Life member of Association of Exploration Geophysicists.

	<b>Name :</b> Prof. Kirti P.B. <b>Born :</b> 15-09-1953 <b>FTAS :</b> TAS/2010 <b>Address :</b> Dept. of Plant Sciences, University of Hyderabad, Gachibowli, Hyderabad –500 046 <b>Mobile :</b> 9441284396 <b>E-mail :</b> <a href="mailto:pbkirti@gmail.com">pbkirti@gmail.com</a>
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Ph. D. Cytogenetics, (AU, 1979). Joined ARS-ICAR,(1978) National Research Centre for Plant Biotechnology (NRCPB) before joining the University of Hyderabad in 1999 as Professor of Plant Sciences and superannuated at present. He was a Fellow of the Alexander von Humboldt foundation-Germany, FAO Visiting Scientist at the Ohio State Biotechnology Center-Columbus (USA) and a Visiting Principal Fellow at the University of Melbourne, Australia

**Academic and Research Achievements:** While working at the NRCPB, Dr. Kirti worked extensively on cell fusion in the improvement of Crop Brassicas. He has developed several somatic hybrids and cytoplasmic Hybrids and has successfully utilized them in the development of functional cytoplasmic male sterility and fertility restoration systems in Indian Mustard. The first commercial mustard hybrid was released for commercial cultivation in India. He has fine-tuned the *Ogura* system in mustard through the development of cytoplasmic hybrids and this is also being used by the breeders in the Country for developing hybrid varieties. After joining the University of Hyderabad, Prof Kirti started working on the characterization of genes for biotic and abiotic stresses in plants. He has characterized several genes like the Non-Expressor of pathogenesis related proteins-1 (*NPR1*), defensins, annexins and others. His group has demonstrated the beneficial effects of the constitutive expression of a mustard annexin in tobacco that provided multiple stress tolerance and alleviation of the oxidative damage in human glioblastoma cancer cell lines. He has extensively studied the resistance responses of a wild peanut *Arachis diogeni* to the infection by the late leaf spot pathogen, *Phaeoisariopsis personata* and cloned several genes like SGT1, vacuolar processing enzyme, a splicing factor (AdRSZ21), cyclophilin, zinc binding Alcohol dehydrogenase-2 etc.

**Other Contributions:** Prof. Kirti has been working on the development of genetic transformation technology for crop Brassicas, legumes, cotton etc for the development of transgenic that express various stress tolerance genes. Constitutive overexpression of a mustard annexin in cotton resulted in its tolerance to various abiotic stresses. Acting in collaboration with other groups at the University of Hyderabad, his group has shown the beneficial effects of the expression mustard NPR1 in Glioblastoma cells through its interaction with I $\kappa$ -B. His group has developed a transgenic male sterility in tobacco by targeted expression of a pathogen induced cysteine protease and developed a fertility restoration system for this line and this has resulted in the development of a transgenic system for pollination control, which is analogous to the Barnase-Barstar system. However, this system is based on plant genes in contrast to the latter system, which deploys bacterial genes.

**Awards and Honours:** Prof Kirti is a Fellow of the Indian National Science Academy-New Delhi, Fellow of the National Academy of Sciences- Allahabad, Fellow of the National Academy of Agricultural Sciences- New Delhi, Elected Member of the Plant Tissue Culture and Biotechnology Association of India. Received the Young Scientist Award of the Andhra Pradesh Akademi of Sciences, Dr. K.C.Mehta Memorial Award of the national Academy of Agricultural Sciences.



**Name:** Prof. Kishan Rao K.  
**Born :** 04-05- 1943  
**Address:** Professor of ECE & Director, Faculty Development Sreenidhi  
Institute of Science & Technology, Hyderabad-501 301  
**Mobile:** 91 9440775866,  
**E-Mail:** [kishanrao6@gmail.com](mailto:kishanrao6@gmail.com)

Presently Prof. Rao serving as reviewer for *International Journal of Wireless Personal communication*, Springer and *International Journal of Wireless Networks*, Springer.. His research interests are in the areas of Wireless Communications, Signal Processing Applications and Cooperative Mobile Communications.


**Academic and Research Achievements:** Head, Problem Orientated Research Lab; Head, Electronics and Computer Science & Engineering, REC, Warangal; Chief Warden, REC ,Warangal; Dean Student Affairs REC ,Warangal; Dean Academic Affairs REC ,Warangal; Principal, REC, Warangal; Principal, JITS, Narsampet; Principal, KITS, Warangal; Director, Vaagdevi Group of Technical Institutions, Warangal & Hyderabad. **STTPs conducted -05; Research Projects completed – 05; M. Tech. guided – 86; Ph.Ds. guided – 08; Research Publications – 117 (National-53; International-64); Research Scholars for Ph.D. under guidance-06 (One candidates submitted her Ph.D. Theses to JNTU, Hyderabad in October,2017.)**

**Published Five Text Books entitled:** 1."Performance Analysis of WCDMA Systems with High Speed Networks". Publisher: LAMBERT Academic Publishing, Germany., Dr.M.SushantBabu., & Prof.K.Kishan Rao ., ISBN: 978-3-659-33509-9., 2. "Modified Clustering Algorithms and their performance for WSNS" .,LAMBERT Academic Publishing, Germany 28-06-2016 ISBN-13: 978-3-659-91148-4, ISBN-10: 3659911488 EAN: 9783659911484 .Prof .B. Brahma Reddy & Prof. K. Kishan Rao 3."Spectral Efficiency Analysis in Multi-User MIMO OFDM LTE Systems"., LAMBART Academic Publishing., Germany., 2017 ., ISBN:978-620-2-02252-1.,: Dr. Patteti Krishna , Prof..Tipparti Anil Kumar & Prof. K. Kishan Rao. 4." Performance Analysis of Blind Signal Separation Algorithms". LAMBART Academic Publishing, Germany,2017., ISBN:978-620-2-06592-4.,: Dr. Janardha Anumula & Prof.K.Kishan Rao. 5. ""Energy Efficient Routing Techniques using cooperative algorithms for Wireless Ad Hoc Networks", LAMBART Academic Publishing,Germany, 11-01-2018., ISBN-13:978-620-2-08017-0:ISBN-10:6202080175, EAN:9786202080170: Dr.Rama Devi Boddu, Prof.Kishan Rao K. & Prof.Asha Rani M.

**Awards:** Two Gold Medals from Osmania University for standing 1<sup>st</sup> in B.E. Examinations – 1966; Distinguished Alumni Award of ECE Deptt, O.U. – 1984; Best Teacher Award of A.P. Govt. – 1999; AP Scientist Award of APSCOT – 2001; Engineers & Scientist Award of SBH, Hyderabad – 2001

**Other Contributions:** Chairperson of AICTE Committees for Inspection of Technical Institutions During 1994-2001; Academic Senate Member, Kakatiya University, Warangal during 2006-07; Chairman, IETE Sub Centre, Warangal during 2006-08; Member, Academic Advisor Committee, Moulana Azad National Urdu University Hyderabad ,2007-2008; Vice-Chairman IETE, Hyderabad Chapter 2011-2012; President, QUECEAA , 2009 -2012.

**Awards and Honours:** Senior Life Member I.E.E.E. (USA); Life Member F.I.E.T.E., New Delhi; Life Member I.S.T.E, New Delhi, Life Member I.S.O.I, India; Life Member Fellow of T.S. Academy of Sciences, Hyderabad. **Visits:** U.K. Universities – Leeds Metropolitan University, Huddersfield University and UMIST as a part of UK-REC ODA Project in November 1997 for two week. Visited Singapore and Malaysia during 12-20<sup>th</sup> July 1999, to present two technical papers at IPOH, Malaysia and chaired one technical session at the International Conference on "Robotics, Vision and Parallel Processing for Automation" (ROVPIA'99), 16-17<sup>th</sup> July 1999, IPOH, Malaysia.

	Name: Prof. <b>KOMAL REDDY M.</b> Born: 12-08- 1958 FTAS: TAS/2015 Address: Department of Chemistry, Malkapur Road, Satavahana University, Karimnagar - 505002 Mobile: 9949749501, 9491804500 E-mail: komalreddy@yahoo.com
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M.Sc. (1980). Ph.D. (1987) (KU). Warangal. Post-Doctoral Researcher from "University of Essex, Colchester, U.K.". (1994-95)

#### **Academic and Research Achievements:**


Joined as faculty KITS, Warangal, as Professor of Chemistry, Satavahana University, Karimnagar. 32 years of teaching experience of Graduate, Post-Graduate and research levels and delivered many lectures at various seminars-cum- workshops, particularly in the areas of Chemical Kinetics and Spectroscopy. His main areas of research are in the field of Physical Organic Chemistry, Homogeneous Catalysis & Environmental Chemistry. He has studied the Oxidative Kinetics of Amino and Hydroxyacids by N-Halo compounds catalysed by Ruthenium (III) and Osmium (VIII). He has studied the Kinetics of alkaline hydrolysis and synthesis of a series of amides and nitriles that involves neighbouring group participation. He has also studied the Kinetics of Adsorption-Remediation of Trace Pollutants using Low Cost sorbents from the plant materials. He has published 25 research papers in National and International journals. He has also presented 40 research articles in various symposia/seminars.

#### **Other Contributions:**

He has involved in various activities to bring scientific and environmental awareness and helping in popularizing science among the school and college students and general public under Centre for Environmental Studies (CES), Warangal and Jana Vignana Vedika (JVV), AP & TS. He worked as Principal of University College of Satavahana University, Head, Dept. of Chemistry, Chairman, Board of Studies in Chemistry, Dean, College Development Council, OSD to Vice-Chancellor, SU. Presently, he is working as the Registrar, Satavahana University (2014 - to date).

#### **Awards and Honours:**

Recipient of the A.P. State University Meritorious Teacher Award (2012). Distinctions of receiving JRF, SRF (CSIR), Russian Fellowship and BOYSCAST (DST) Fellowship. Member reputed Academic Bodies i.e. Senate Member in Satavahana University and Mahatma Gandhi University, Member of Review Boards of Refereed Research Journals such as Elsevier, Springer and CSIR Publisher journals. He has the credit being a member of International Group of Correlation Analysis in Chemistry (LM) and Indian Society for Technical Education (LM).

	<p><b>Name:</b> Dr. Krishnamurthi M.</p> <p><b>Born:</b> 03-09-1924</p> <p><b>FTSA:</b> TAS/ 1963</p> <p><b>Address:</b> Chairman, MV Foundation, Secunderabad</p> <p><b>Telephone:</b> 040-27800600</p> <p><b>E-mail:</b> <a href="mailto:mamidipudikrishnamurthi@gmail.com">mamidipudikrishnamurthi@gmail.com</a>,</p> <p><b>Mobile:</b></p>
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MSc(Physics) Andhra University 1944, PhD(Physics) Osmania University 1955: doctoral work was on ultrasonics. PG Diploma in Radio Engineering from University of Southampton, UK 1947-50. Reader in Department of Physics, OU 1958-59; Assistant Professor, Department of Physics, Indian Institute of Science, Bangalore 1959-62. Joined DLRL, Hyderabad as one of the first scientists in 1962. Shifted to Cabinet Secretariat, New Delhi in 1965-1980. Re-joined DRDO as Chief Controller R&D in 1980 and superannuated from DRDO as CCR&D in 1984.

**Academic and Research Achievements:** His research was focused on ultrasonics and was the first to start this area in India. As part of the Indian Intelligence establishment established several surveillance stations along the national borders with countries such as Pakistan and China.

**Other Contributions:** Edited book titled Physics of the Solid State. Published several popular science books in Telugu. As Chairman of the MV foundation, Secunderabad he has been actively engaged in social causes specially bringing girl children to school.

**Awards and Honors:** Founder Member of the Andhra Pradesh Academy of Sciences in 1963. President of the Andhra Pradesh Academy of Sciences. President, Indian Geophysical Union.




	<b>Name:</b> Dr. Krishnan Ravi Kumar <b>Born:</b> 31-05-1958 <b>FTAS:</b> TAS/2005 <b>Add:</b> Chief Scientist, Laboratory of X-Ray Crystallography, IICT, Uppal Road, Hyderabad-500 007 <b>Mobile:</b> 9440861592 <b>E-mail:</b> <a href="mailto:sunson58@rediffmail.com">sunson58@rediffmail.com</a> ,
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Chief Scientist in the CSIR-IICT, Centre for X-ray crystallography. PhD Department of Crystallography and Biophysics from University of Madras and carried out his postdoctoral research studies at USA. He worked on medium sized polypeptides and successfully determined the crystal structure of gramicidin pore which laid the basis for understanding the physical nature of ion translocation (Science, 241, 182, 1988). At IICT, his research interests were focused on structure solution of various drugs, drug intermediates and several biological active molecules. He gradually shifted his research focus to pharmaceutical chemistry and worked on specific areas like drug polymorphism, API salt formation, hydrogen bonding, crystallization, and development of X-ray diffraction techniques as reliable analytical tools for pharmaceuticals. He is a research consultant for various pharmaceutical industries. In recognition of his knowledge and skills in devising Analytical Experimental methods using X-ray diffraction which is contributing to furthering drug research and development, he was awarded Ranbaxy research award in Pharmaceutical Sciences (2010). He is also an elected Fellow of AP Akademi of Sciences (2007). He has great interest in teaching, and conducting several courses on X-ray crystallography for undergraduate and postgraduate students in various institutes and colleges. He has published about 389 international and national research articles. He has guided students for their PhD program and project dissertation.

**Academic and Research Achievements:** 1985-1990: Post Doctoral Research Associate, Department of Chemistry and Centre for Biophysics, Renessalear Polytechnic Institute, Troy, New York, USA; 1990-present: Scientist at Indian Institute of Chemical Technology, Hyderabad, India. Chemical Crystallography, Drug polymorphism, Pharmaceutical Co-crystallization, structure-property relationships, powder X-ray diffraction, X-ray fluorescence and etc. X-ray diffraction and solid state structural elucidation 1) API Characterization and quantification - projects supported by Industries 2) Drug Polymorphism - projects supported by Industries 3) Solid state structural elucidations - Projects supported by Inhouse.

**Other Contributions:** Sixth polymorph of aripiprazole - an antipsychotic drug, Crystal Engineering Communication, 2012,14, 4677-4685, Resonance-assisted amide protonation in dutasteride hydrochloride salt, Crystal Engineering Communication, 2012,14, 2571-2578, Frovatriptan salts of aliphatic carboxylic acids, Acta Crystallographica, 2013, C69, 428-435, Tosylate salts of the anticancer drug lapatinib, Acta Crystallographica, 2013, C69, 1516-1523, Conformational and crystal energetics of a polymorphic cyclized product of Napafenac: The Z' and crystal stability correlation, Journal of Molecular Structure, 2013, in press.

**Awards and Honours:** Ranbaxy Research Award in Pharmaceutical Sciences, 2010. CSIR Outstanding Scientist Award, 2006.

	<p><b>Name:</b> Dr. Krishnaveni A.</p> <p><b>D.O.B.:</b> 10-06-1943</p> <p><b>FTAS:</b> TAS/</p> <p><b>Address:</b> 1-8-50/H, Krishna Nagar Colony, Prendergast Road, Sec-bad- 500003</p> <p><b>Mobile No:</b> 9848195831</p> <p><b>Email:</b></p>
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**Academic:** M.B.B.S: Osmania University 1965 ( Distinction in Social and Preventive Medicine, Gold medal in Obstetrics and Gynecology for standing First in the university)


M.D (General Medicine) Osmania university. D.M. ( Neurology) Osmania university (first candidate to study D.M. from Osmania University)

**Employment and Achievements :**

Established Department of Neurology in Kurnool Medical College and Government General Hospital , Kurnool. Consultant Neurophysician , ESI Hospital. Professor and Head of the Department of Neurology Gandhi Medical College and Gandhi Hospital Hyderabad. Director (Special) of Medical Education AP Government, Professor and Head of the Department of Neurology Kamineni Hospitals Hyderabad Elected as The President of Andhra Pradesh Neuro Scientists Association for one year

**AREAS OF SPECIAL INTEREST:**

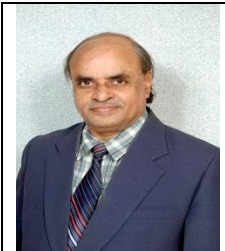
1. Study of stroke in young in South India.2. Study of medical and social problems of epilepsy in women.3. Study of epidemiology of neurological disorders with special reference to Industrial population.

	<b>Name:</b>	<b>Prof. Lakshmi Kantam M.</b>
	<b>Born:</b>	04-03-1955
	<b>FAPAS:</b>	TAS/2006
	<b>Address:</b>	Department of Chemical Engineering, Institute of Chemical Technology, Mumbai-400019
	<b>E-mail:</b>	<a href="mailto:lk.mannepalli@ictmumbai.edu.in">lk.mannepalli@ictmumbai.edu.in</a>
	<b>Mobile:</b>	91-9769101554

Prof. Lakshmi Kantam (PhD, 1982, Kurukshetra University, India) is Dr.B.P.Godrej Distinguished Professor of Green Chemistry and Sustainability Engineering at Institute of Chemical Technology, Mumbai, India. Earlier, she served as Director at CSIR-IICT, Hyderabad. She is an Adjunct Professor at Tezpur Central University, Tezpur, Assam and RMIT University, Melbourne, Australia.

**Academic and Research Achievements:** Guided 41 Ph. D. students and 5 M.Chem and M. Tech students. She has 36 years of experience in the design and development of catalysts for innovative processes to achieve the highest possible atom economy in an effort to realize cutting edge technologies and to meet stringent environmental specification in pollution abatement. She has authored more than 332 publications, 52 patents and five book chapters. She is the Editorial Board Member, Chemical Record (TCR), Wiley-ACH ; The Journal of Chemical Sciences, Springer ; and Associate Editor, Catalysis in Green Chemistry and Engineering, Begell House.

**Awards and Honors:** She is a fellow of Indian National Science Academy , National Academy of Sciences, The world Academy of Sciences, Royal Society of Chemistry, Indian Institute of Chemical Engineers, Andhra Pradesh Academy of Sciences and Maharashtra Academy of Sciences. Her prizes include Goyal Award-Applied Sciences, Kurukshetra University, Kurukshetra (2019), Indian Chemical Council-D.M.Trivedi Lifetime Achievement Award (2019), Eminent Scientist Award – Catalysis Society of India (2015) , Lifetime Achievement Award, Indian Chemical Society (2011) and Vasvik award (2011). She is a Member of Atomic Energy Regulatory Board, and Scientific Councils, DST-PAC, HEMRL (DRDO), IIT-Hyderabad, RRF Scheme-DAE. She is Non-Executive Independent Director, Godavari Biorefineries Ltd , Vinati Organics Ltd and Indo-Amines Ltd.


	<b>Name :</b> Prof. Lal Kishore K. <b>Born :</b> 17-03-1952 <b>FTAS :</b> TAS/2012 <b>Address:</b> (VC, JNTUA, Anantapuramu) Plot No: 154b, H.No:13-1-90/E, Besides 7-Hills High School, Moti Nagar, Hyderabad-500 018 <b>Mobile :</b> 9618023478 <b>E-mail :</b> <a href="mailto:lalkishorek@yahoo.com">lalkishorek@yahoo.com</a>
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DR. Kishore is working as Vice – Chancellor, JNTUA. He was Professor of Electronics & Communication. (since 1990), Visiting Professor, Asian Instt. of Tech., Bangkok (2010). Established Defence Engineering College, Ethiopia (1997-1999).

**Academic and Research Achievement:** Vice-Chancellor, JNTUH, (Since JUNE 2012) Registrar (2011-2012), Director, Research & Development Cell (2010-2011), Director, School Of Information Technology (2010), Rector, (2008 – 2010); Director, UGC-Academic Staff College (2005), JNTUH, Hyderabad; Director, Academic And Planning, (2004 – 2005), Principal, JNTU College Of Engineering, (2002 – 2004), Director, School Of Continuing And Distance Education (2001 - 2002), Professor And Head, JNTU College Engineering, (1990-2000).

**Other Contributions:** Author of Books: Published 3 books  
Fellow of Institute of Engineers (**FIE**); Member of Institute of Electrical & Electronics Engineering, (**MIEEE**); Fellow of Institute of Electronics & Telecommunication Engineers, INDIA (**FIETE**); Member of India Society for Technical Education, New Delhi (**MISTE**); Member of International Society of Hybrid Micro Electronics (**MISHM**); Chairman, IETE Centre, Hyderabad News (2011); visited: **France, UK, Israel, Hong Kong, Ireland, and Ethiopia.**

**Awards and Honours:** State Best Teacher Award (2004) Govt. of A.P, Sir Mokshagundam Visveswaraya Award – Government of Andhra Pradesh and Institute of Engineers (2010); Prof. SVC Aiya Memorial Award (2007), Distinguished Indian Award – ICSCI (2007); First Bapur Seetharam Memorial Award from IETE (1986); Eminent Electronics and Communications Engineer Award from Institution of Engineers (IEI) India, Award from Andhra University and IEI, Visakhapatnam, **ISTE U.P. Government National Award** for outstanding work done in specified areas of engineering and Technology, Award for Outstanding Contribution to World, given by **World Chancellors & Vice Chancellors Education Congress, CCI Technology Education Excellence Award 2014.**


	<p> <b>Name :</b> Prof. Laxma Reddy K.  <b>Born:</b> 02-02-1958  <b>FTAS :</b> TAS/2014  <b>Address:</b> Dept. of Chemistry, NIT, Warangal, 506004, H.No. 1-1-67,  ChaitanyaPuri Colony, Kazipet, Warangal, 506004,  <b>Mobile:</b> 9490300457  <b>E-mail:</b> laxmareddy_06@yahoo.co.in, </p>
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#### **Academic and Research Achievements:**

Number of Published Papers: About 60; Number Conference Presentations: About 50; Number of Invited Academic Talks: About 60; Number of Invited Popular Science Talks: About 100; Number of PhDs Produced: 5; Number of PhDs Working: 2; Academic Administration: (a) Head, Department of Biotechnology, NITW; (b) Head, Department of Chemistry, NITW (c) Chief Warden, NIT, Warangal, Hostels (d) Chairman, Library Advisory Committee, NIT, Warangal (e) Chairman, Sports & Games, NIT, Warangal (f) Member, Institute Planning Committee, NIT, Warangal (g) Member, Anti-Ragging Committee, NITW

**Other Contributions:** State President, Jana Vignana Vedika, Telangana State (*A National Award Winning Science Communication Organization*)

**Awards and Honours:** Working in Jana Vignana Vedika, A National Award Winner for Popularization of Science, Award received from Dr. APJ Abdul Kalam, the then President of India at Rashtrapathi Bhavan, on 28<sup>th</sup> February, 2006

	<p> <b>Name :</b> Dr. Lingaiah N.  <b>Born :</b> 01-12-1966  <b>FTAS :</b> TAS/2014  <b>Address:</b> I &amp; PC Division, Indian Institute of Chemical Technology(IICT),  Tarnaka, Hyderabad-500 007  <b>Mobile:</b> 9849421055, Off: 27191722, Res: 27206379  <b>E-Mail :</b> <a href="mailto:lingaiah66@gmail.com">lingaiah66@gmail.com</a>, <a href="mailto:nakkalingaiah@iict.res.in">nakkalingaiah@iict.res.in</a> </p>
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Dr. N. Lingaiah is at present a Scientist at the Department of Inorganic and Physical Chemistry of the Indian Institute of Chemical Technology (IICT), Hyderabad. He did his Ph.D work at IICT, Hyderabad and obtained doctoral degree from Osmania University, Hyderabad in 1995. He was then postdoctoral fellow at different places in various countries. First he was worked as post doc at Korea Research Institute of Chemical Technology (KRICT), Taejon, South Korea for a year from July 1996 to June 1997. Later spent more than two years at Okayama University, Okayama, Japan as post-doctoral fellow. After that he moved to The Queens University of Belfast, UK as post-doc for two years assignment. During this period he got a scientist position at IICT and came back to India after one-year period in UK in September 2001. He spent about four years as post-doctoral fellow in Korea, Japan and UK. He was also visited as a visiting scientist at Advanced Catalysis Laboratory, Berlin, Germany.

#### **Academic and Research Achievements:**

Synthesis, characterization and evaluation of various supported and unsupported heteropoly acids. Synthesis of biodiesel and value addition to glycerol. Catalytic conversion of biomass.


The contents of the work can be postulated as: Catalytic hydrodechlorination of chlorinated hydrocarbons and chlorofluoro carbons to useful chemicals, Synthesis of Pd-Fe bimetallic catalysts by conventional and microwave methods, Dispersion studies on supported Pd-Fe catalysts using chemisorption methods, spectroscopy and evaluation in hydrodechlorination. chlorobenzene and benzene hydrogenation, Vanadia based catalysts for ammoxidation of alkyl aromatics and aromatization of isophorone, Selective oxidation of saturated hydrocarbons under mild conditions using solid catalysts Preparation, characterization and evaluation of noble metal/s-mesoporous carbon composite catalysts prepared by modified carbothermal reduction method using ion exchange resins, Dechlorination of fuel oil derived from degradation of PVC containing waste plastics using carbon based metal oxide composite catalysts, Development of catalyst systems for De-NO<sub>x</sub> of lean burn engines.

#### **Other Contributions:**

Development of catalyst for ammoxidation of 2-chloro toluene

Scaling up of the preparation of the optimized solid catalysts for the conversion of waste plastics in to oil  
Catalytic conversion of Glycerol to value added chemicals, and Catalysts for biodiesel synthesis,  
Development of new composite catalysts for the production of hydrogen from glycerol, Catalytic CO<sub>2</sub> reforming of glycerol.



	<p> Name: <b>Prof. Madhava Reddy. B.</b>  Born: 10-02-1962  FTAS: TAS/2016  Address: Principal, G. Pulla Reddy College of Pharmacy  Mehadipatnam, Hyderabad- 500 028  Mobile: 9866697885  Email: <a href="mailto:madhavareddyb@ymail.com">madhavareddyb@ymail.com</a> </p>
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B. Pharm (KU, 1985), M. Pharm (BIT, Ranchi, 1986), and Ph. D Kakatiya University (1990). He has about 30 years of teaching and research experience and published 50 research papers in national and international journals. He is closely associated with Osmania University in framing the syllabus for B. Pharm and M. Pharm courses. He is also member of Academic Senate, Osmania University. Working as Principal, G. Pulla Reddy College of Pharmacy, for the past 20 years. Visited Malaysia in 2008 and presented Paper in international Conference.

**Academic and Research Achievements:** He is Interested in Pharmaceuticals analysis Pharmacogeny 55 Papers Published. Guided 5 Ph. Ds and three students working for their Ph. D. Degree. He is member on various Pharmacy professional association.

**Awards and Honors:**

Received the "Principal of the Year" Award in the year 2010 from APTI.

	<b>Name:</b> Madhavan Nair K <b>Born:</b> 05-05-1954 <b>FTA:</b> TAS/2010 <b>Address:</b> Scientist-F, National Inst. of Nutrition (NIN), Jamai-Osmania, Hyderabad-500 007 <b>Mobile:</b> 9849665422 <b>E-mail:</b> <a href="mailto:nairthayil@gmail.com">nairthayil@gmail.com</a> ;
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MSc in biochemistry, Thiruvananthapuram. PhD (NIN), Joined NIN and expanded his fortress from lab to clinical and programmatic research and has focused his work on micronutrients from all facets. Received post-doctoral training at the International Center for Control of Nutritional Anemia, the University of Kansas Medical Center, Kansas, U.S.A.

#### **Academic and Research Achievements:**

Dr. Nair investigation micronutrients bioavailability especially of iron, zinc, iodine and vitamin A both at laboratory and community and devised simple diagnostic tools to monitor their deficiencies. He was involved in the use of fortification strategies in alleviating anemia in India. He has addressed the research questions through experiments on cell lines, animal models and humans using the state of the art methodology involving biochemical, biophysical and immunological techniques. Some of the important contributions are 1).explaining the risk of oxidative stress on intestine by supplementing iron deficient individuals with high doses of iron and preventing it by inclusion of antioxidant vitamins, 3) the use of human enterocytes (Caco2 cell line)to study iron and zinc bioavailability 4) evidence that simple dietary diversification (with guava) enhances iron bioavailability of iron, 5) development of biomarkers which can be used for detecting subclinical iron and vitamin A deficiency. The project Grow-Smart titled 'Innovative strategies to promote early child development among low income rural infants and preschoolers in India through multiple micronutrient fortification and early learning opportunities', which established the proof of the concept that fortification of habitual meal with multiple micronutrient powder at point of use reduced anemia and iron deficiency and improved cognition both in infants and preschoolers.

**Other Contributions:** Dr. Nair's group houses a National facility for DBS technology for the detection of vitamin A status and DBT Network facility for micronutrient bioavailability and an in-house ELISA kit for ferritin. Developing and testing of double fortified salt and micronutrient fortified atta have been adopted by central and state governments respectively. Iron fortified rice and multiple micronutrient powders were two other strategies which had been tested successfully and are being scaled-up. He was an External Team Member, Annual Review of Significant Advances in Dietary Supplement Research, NIH, USA, and Stakeholders Panel Guideline; Vitamin D and Calcium supplementation in pregnant women, WHO. dietetic products Group of the ICMR for the revision of Nutrient Requirements and Recommended Dietary Allowances for Indians, Member, ICMR Task Force on Anemia and Member of Steering Committee of a working group to develop working papers for a unified approach for the discovery, development and use of biomarkers -Biomarkers for Nutrition of Development, NIH, USA. He was the joint-secretary of Nutrition Society of India for 4 years.

**Awards and Honors:** Recipient of the Public Health Service International Research Fellow, Fogarty International Center for Advanced Study in Health Sciences, U.S. Department of Health and Human Service, National Institute of Health, U.S.A. and ICMR's BGRC Silver Jubilee Oration Award. He is a Fellow of the, National Academy of Medical Sciences.


	<p> Name : <b>Prof. Madhusudan Rao B.</b>  Born : 14-08-1955  FTAS : TAS/2015  Address : H. No. 12-13-323/A/1 &amp; 345, F-303, Saithirumala  Residency, Street No.9, Lane -3, Tarnaka, Hyderabad-17.  Mobile No. 9347019103  E-mail: <a href="mailto:profmadhurao@gmail.com">profmadhurao@gmail.com</a>, <a href="mailto:Profmadhu1955@gmail.com">Profmadhu1955@gmail.com</a> </p>
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M. Sc-Physics, (OU), Ph. D in Physics (OU). Joined as an Assistant Professor in the Centre of Exploration Geophysics (CEG), Osmania University in 1981. and got elevated as Associate Professor in 1994 and professor in 2001.

**Academic and Research Achievements:** Prof.B. Madhusudan Rao has a vast academic (teaching and research), experience for over last 3 decades in Geo-instrumentation, Application of Gravity, Magnetic and Electrical methods, Physical properties of Rocks, Ground Water studies, Mineral Exploration and Antarctic studies. He contributed to the growth and strengthening of academic activity in Geophysics in the Osmania University. Being an academician he designed and developed many courses for the students of PG level besides having taught them. As a researcher, he has supervised many student's projects/dissertations in addition to 5 Ph.Ds. Apart from this Prof. Rao as a principal investigator and carried out many research and consultancy projects in Geophysics. Also, he organised several National Seminars/Workshops in the CEG/Department of Geophysics during his tenure and also attended several conferences, where he presented scientific papers. He has published around 35 papers in leading journals. He is a member of several professional/academic bodies, including Antarctic club.


**Other Contributions:** As an administrator, Prof. Rao has contributed immensely to the university administration as a Head and Chairman, Board of Studies in Geophysics, Coordinator, DSA (SAP)-II in Geophysics. He is fellow of Indian Geophysical Union. Apart from this, he has been member for various academic administrative committees like Borad of studies in other universities, selection committees and college inspection committees.

**Awards and honors:** Prof. Madhusudhan Rao has had to his credit participation in the **XIV INDIAN Scientific Expedition to Antarctica during 1994-1995** and conducted valuable Geophysical studies there, the results of which were published in national and international journals. Also he had the rare opportunity of being a member of debriefing team interacted with the then Prime Minister of India.

	Name : Dr. <b>Madhusudana Rao J.</b> Born : 10-06-1949 FTAS : TAS/2009 Address : Former Director Grade Scientist & HOD, IICT, Hyderabad, Executive Director M/S Chemveda Life Sciences Pvt Ltd Plot No. B-11/1, IDA Uppal Hyderabad-500039, India Mobile : 9441106966 Off: ; Res: 27116308 E-mail : <a href="mailto:jmrnpl@yahoo.com">jmrnpl@yahoo.com</a> , <a href="mailto:anaswamy@chemvedals.com">anaswamy@chemvedals.com</a>
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**Academic and Research Achievements:** M.Sc.1971), Andhra University, Waltair; Ph.D. (1975), Natural Product Chemistry under the Guidance of Prof. K.V. Jagannadha Rao, Nagarjuna University. After two years of Post-doctoral work in Nagarjuna University, he moved to CFTRI, Mysore where he worked in Chemistry and Technology aspects of Tea. He resigned in October 1977 to join Prof. Andrew Pelter at University College of Swansea, UK as Post Doctoral Fellow. After three years of Postdoctoral work in Organo-Borate Chemistry, he came back to India and joined the Medicinal Chemistry & Natural Products group of Regional Research Laboratory, Hyderabad. He worked here for two years and left to Regional Research Laboratory, Trivandrum to join as Scientist C. After working in various capacities for thirteen years in RRL, Trivandrum; he came back to Indian Institute of Chemical Technology, Hyderabad in July 1997. He has retired as Director Grade Scientist(Scientist G) and Head of Organic Chemistry Division-1 of IICT in June 2011 and now working as Executive Director in Chemveda Life Sciences Pvt Ltd. Hyderabad. At IICT, he is responsible to establish a group of Natural Product Chemistry that caters to the needs of the present day requirements and also developed state of the art and world class facilities in this area.

**Other Contributions:** His contributions are well known world over and IICT's capabilities in Natural Product Chemistry & New Drug Discovery are now internationally well recognized. He has visited several countries; USA, UK, China, Australia, Germany, France, Switzerland, Iran and Sri Lanka; chaired and invited speaker for several national and international conferences. He has published more than 160 papers in SCI journals and filed more than 75 patents of India, PCT & US; some of the patents are licensed to industry. He has so far produced 27 Ph.Ds and 3 students are working for their Ph.D. He was leading many projects of national importance in New Drug Discovery, Standardization of Herbal Drugs & Golden Triangle Programmes(GTP). His research interests are New Drug Discovery from Natural Products, Herbal Drugs and their standardization, botanical pesticides, SAR studies and asymmetric synthesis. He has been elected as Fellow of AP Akademi of Sciences and at present Honorary Treasurer of the Akademi(2010-2015). He is also member, Task Force Programme of DBT. At Chemveda Life Sciences, Dr. Rao created a natural product facility and established a group of Natural Products. He is responsible for all the natural product-related business of the company. Under his leadership a project under pay for service model is in progress continuously from an USA client. Recently, a challenging FTE Model project of an European client is also completed under his leadership and guidance. Very good working relationship with the synthetic group has also been established to carry out the projects of inter disciplinary nature that is required for completing the projects promptly and effectively.

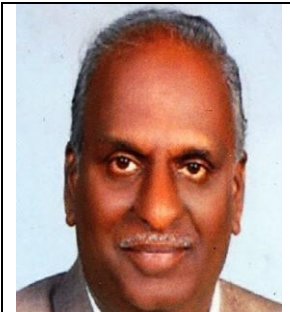
	<p> Name : <b>Dr. Madhusudana Rao N.</b>  Born : 10-06-1956  FTAS : TAS/2014  Address: Chief Scientist, Centre for Cellular and Molecular Biology (CCMB),  Uppal Road, Hyderabad-500 007  Mobile : 9949973404, Off: 27192504, Res: 27203606  E-Mail : <a href="mailto:madhu@ccmb.res.in">madhu@ccmb.res.in</a> </p>
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#### **Academic and Research Achievements:**

Dr. N. Madhusudhana Rao has joined Centre for Cellular and Molecular Biology at Hyderabad in 1988 after completing a PhD in Biochemistry from National Institute of Nutrition, Hyderabad and Master' in Agriculture from Punjab. Presently his group is interested in two projects: a, protein engineering and proteins at interfaces; B, Cell biology of gene delivery especially with cationic lipids. He is the coordinator of the CSIR network program on nanomaterials and nanodevices, involving several institutions.

#### **Other Contributions:**

Rao' lab has developed, using in vitro evolution methods, a number of thermostable proteins. These mutants have been characterized using various spectroscopies and X-ray diffraction. Protein stability is seldom characterized with respect to interaction with surfaces. This aspect is being investigated in the lab. Ion selective field effect transistor (ISFET) was used as platform to develop a triglyceride sensor using evolved enzymes. Rao' lab is further interested in expanding this platform for other analytes. Plasmonic coupling in metal particles as a method to detect biomolecules is another interest pursued in his laboratory.

	<b>Name:</b> Prof. Madhusudan Rao Y. <b>Born:</b> 07-05-1952 <b>FTAS:</b> TAS/2005 <b>Address:</b> Director, Vaagdevi Group of Pharmacy Colleges, Warangal-506 005. <b>Mobile:</b> 9493873284 <b>E-mail:</b> <a href="mailto:yamsani123@gmail.com">yamsani123@gmail.com</a> ,
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M. Pharm (Banaras University), Ph. D- Pharmaceutical Sciences ( Kakatiya University). Joined Assistant Professor (KU),retired from Kakatiya University as a Professor and now joined Vaagdevi group of pharmacy colleges as a Director.

**Academic and Research Achievements:** His research interest focused on Formulation and evaluation of Bio-adhesive and Buccal Drug Delivery Systems, Transdermal drug delivery systems, Controlled Drug Delivery Systems, Nanosuspensions and solid lipid nanoparticles, Bioavailability and Pharmacokinetics studies of drug from various dosage forms, Development of cosmetic products, Effect of Chirality on the Pka and PD of Drug, Permeation enhancement by altering CYP and P-glyco protein levels in membrane. Successfully completed major projects worth more than Rs.1Crore funded by A.I.C.T.E, U.G.C. He has 6 Indian and 2 International Patents. published. More than 8 books and book chapters.

**Other Contributions:** Published over 213 research papers in peer-reviewed journals and guided 40 Ph.D students. Life member of Indian Pharmaceutical Association, Indian Pharmaceutical Graduates Association, Association of Pharmacy Teachers of India. Served as Honorary Secretary of Pharmaceutical Association, Warangal local branch (1981 to 1986) and (1991 to 1995), Acting President of I.P.A. local branch, Warangal (1997). President of Pharma Alumni Association of Kakatiya University (1998 to 2001). Chief coordinator of Quality Improvement Programme for Teachers in Pharmaceutical Sciences Q.I.P. for teachers cells. Member of Scientific Services Committee of Indian Pharmaceutical Congress Association 1998 onwards. As Coordinator organized number of Short-term courses for Teachers, Induction Training, summer schools etc. Committee Member of A.I.C.T.E. in monitoring and sanctioning of P.G. and U.G. Colleges. Expert Member of National Board of Accreditation A.I.C.T.E. pharmacy council of India in regulation of Pharmacy Colleges. and pharmaceutical industries. Acted as consultant to National soap company, Tripoli, Libya bottling plant, a soft drink manufacturing company. Liquid oral production company in Hyderabad. Herbal cosmetic company, Warangal Trident Pharmaceuticals, Hyderabad in Controlled release products. KRIPS, Visakhapatnam in sustained release pellet formulations. Countries visited Libya, Germany, Holland, United States of America, Malaysia, Singapore and Thailand.

**Awards and Honors:** Received Eminent Pharmacist Award (2014), Rashtriya Udyog Ratna Award (2013). Pharmaceutical Teachers of India prestigious G.P. Srivastava Memorial Award (2012) Pharmaceutical Scientist of the year award (2011) Best Teacher Award (2007) Pharmacy Teacher of The Year (2006) award Acted as Convener, Scientific Services Committee of Indian Pharmaceutical Congress Association (2003-2006). Received "Distinguished Alumni Award" (1994). "Best outgoing student certificate" from Manipal (1973), and Gold Star Award by International Bibliographical Center, Cambridge, England.




	<p> <b>Name:</b> Dr. Madhusudhan Reddy G.  <b>Born:</b> 01-20-1963  <b>FTAS:</b> TAS/2012  <b>Address:</b> Outstanding Scientist, Defense Metallurgical Research Laboratory (DMRL), Govt. of INDIA Ministry of Defence(DRDO), Kanchanbagh, Hyderabad- 058  <b>Mobile:</b> 9849382953  <b>Email:</b> <a href="mailto:gmreddy_dmrl@yahoo.co.in">gmreddy_dmrl@yahoo.co.in</a> </p>
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B. Tech. in Mechanical Engineering (KU, 1985), Master's degree University of Roorkee (1987), Ph. D. Metallurgical Engineering, IIT, Madras (1999) . His studies have promoted the engineering application of these materials in the fabrication of various defence systems such as combat vehicles, missile casings, base mortar structures, and compact heat exchangers. He made a breakthrough by establishing ballistic capabilities in welds, comparable to those of parent armour. Niobium segregation, causing Laves phase formation, is a major problem in the fusion welding of superalloys. Dr. Reddy brought out the influence of electron beam oscillation and pulsed laser beam techniques in reducing the Laves phase during welding. He successfully fabricated the Nose Cap shell for underwater launched missile, through an innovative application of FSW . He established the technology for joining incompatible materials (titanium alloy to stainless steel), which was implemented in the manufacture of Gland-less Valves for Naval applications. Dr. Reddy's work on the refinement of weld-zone microstructure, employing pulsed and arc oscillation technology, led to the development of joining technology for difficult-to-weld aluminum and titanium alloys employed in aerospace.

**Other contributions:** Member of Task Force for indigenous development of welding consumables for manufacture of battle tanks at HVF Avadi. Member of the committee of UGC , IISC, Bengaluru. Chairman of the Weld Certification Committee. Conducted several workshops to update the technical knowledge of personnel from various industries. Indian Institute of Welding, etc. Member of Advisory committee: Centre for Laser processing, ARCI, Hyderabad, and Member: member of failure analysis team on the premature failure of several motor casings made of ultrahigh strength steel, air bottles, Power Take-off (PTO) shafts, drag line buckets, battle tanks etc.


**Awards and Honours:** Recipient of INAE Young Engineer Award (1998) from of Engineering and recognized as Engineer of the Year (2002) and Andhra Pradesh Scientist of the Year (2006) 2007, Ministry of Steel and Mines, Government of India recognized as "Metallurgist of the Year" award Received the certificate of Academic Distinction 'Sudarshan Bhat Memorial Prize' (1999) for the best Ph.D IIT Madras, DRDO Scientist of the Year Award (2013), Recipient of Binani Gold Medal (2010, 1994), SAIL Gold Medal (2013) of the Indian Institute of Metals. Technological Award (1995) from Defence R&D Organization. Recipient of S.K Mazumdar Memorial Research Award (2012) from Indian Welding Society. several best paper awards (40 Nos) Fellow of American Society of Metals, National Academy of Engineering, Indian Institute of Metals and Indian Welding Society. He has been designated as AICTE-INAIE Distinguished Professor to promote Industry-Institute interactions with Andhra University, MGIT, Hyderabad and University of Hyderabad.

	<b>Name</b>	:	<b>MAHATAB, S. Bamji,</b>
	Born	:	05-10-1934
	FTAS	:	TAS/2002
	Address	:	INSA Hon. Scientist, 211, Sri Dattasai Apts. RTC Cross Roads, Hyderabad -500 020.
	E-mail	:	<a href="mailto:msbamji@gmail.com">msbamji@gmail.com</a> , <a href="mailto:mahtabbamji@yahoo.com">mahtabbamji@yahoo.com</a>
	Mobile	:	9246886442,


**Academic and Research Achievements:** Ph. D in Biochemistry Bombay University, while working at the Indian Institute of Science, Bangalore. After post-doctoral experience at the Tufts University Boston and John's Hopkins University Baltimore, she joined the National Institute of Nutrition, Hyderabad in 1965 and retired from this institute as Director Grade scientist, head of the biochemistry division, and I/C National Centre for Laboratory Animals, in the year 1994. Among her significant contributions in nutrition biochemistry are: development of an internationally used biochemical test for assessing riboflavin nutrition status, deriving nutrient requirement of vitamins B1 and B2 for Indians, elucidation of the biochemical and molecular basis of skin lesions of B-vitamins deficiency, side effects of hormonal contraceptives, B-vitamin deficiency in respiratory infections and recognition of Carnitine as a vitamin. Since her retirement she has joined an NGO Dangoria Charitable Trust, (DCT) and is currently Indian National Science Academy (INSA), Hon. Scientist. She is trying to develop strategies for health, food, nutrition, environment and livelihood security in villages of Medak district. The major focus is empowerment of women and adolescent girls through social, scientific and technological engineering and training in farm and non-farm, skills. She has set up an award -winning rural food processing cum training centre with guidance from CFTRI, Mysore. Dangoria Charitable Trust received the "National award for Women's development through science and technology" from DST, on March 8, 2013. Dr. Bamji has guided many students for PhD, published almost 100 full papers in peer- reviewed journal, written many reviews, book chapters, popular articles and has edited a very popular Text book of Human Nutrition (now in its 4th edition).

**Other Contributions:** She has been a member of many policy making and advisory committees including Vision 20- 20, health committee of TIFAC as Co chair; planning commission steering committee on Science and Technology for 11<sup>th</sup> 5 year plan and the National Task Force for Women in Science, under the ministry of Science and Technology from December 2005-June 2009 as Chair. She was the Vice President of the Indian National Science Academy in charge of Science and Society programme, from 2009-2011.

**Awards and Honours:** Sakuntala devi Amir Chand Prize of ICMR; Patwardhan Prize - ICMR; WHO Visiting Scientist; Fellowship;; National Science Foundation Travel Award, USA; Amrut Mody Award ; Dr. B. C. Guha Lecture Award, INSA; Federation of Zoroastrian Association of India; B.C.Guha Lecture Award, Indian Science Congress;; National Women Bio-scientist Award, DBT; Rustom Ranji Rotary Lecture Award; Kamala Puri Sabharwal Lecture Award-Lady Irwin College, New Delhi; Distinguished Alumini Award-IISc-Bangalore; Dr. Rajammal Devadas Memorial Award- Nutrition Society of India; Prof. Archana Sharma Memorial Lecture Award, NASI; Indian Dietetics Association Founder's Lecture Award, KT Achaya memorial lecture award (OTAI). Fellow Indian National Science Academy; National Academy of Agricultural Sciences; National Academy of Medical Sciences; National Academy of Sciences, India(Hon. Fellow)

	<p> <b>Name:</b> Dr. Mahendar Thudi  <b>Born:</b> 08-04-1978  <b>FTAS:</b> TAS/2016  <b>Address:</b> Sr. Scientist- Chickpea Genomics, (ICRISAT),  Patancheru- Hyderabad, 502 324  <b>Mobile:</b> 9701207056;  <b>email:</b> <a href="mailto:t.mahendar@cgiar.org">t.mahendar@cgiar.org</a>; <a href="mailto:mahenicrisat@gmail.com">mahenicrisat@gmail.com</a> </p>
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Mahendar Thudi is currently working as Senior Scientist (Chickpea Genomics) at International Crops Research Institute for the Semi-Arid Tropics (ICRISAT). With basic background in agriculture and genomics he possess over 8 years of experience in international agricultural research. He has significantly contributed to development of large genetic and genomic resources in chickpea. He also played a significant role in generation of complete genome sequence of chickpea (*C. arietinum* genotype CDC Frontier) and re-sequencing of ~500 chickpea genotypes including Reference set and released varieties. His efforts have led to development of 5 genetic maps, a physical map, the dense consensus genetic map, and identification of QTLs for abiotic stresses (drought, salinity tolerance) and biotic stresses (fusarium wilt and ascochyta blight) in chickpea. In addition to linkage mapping, he led genome wide association and candidate gene based association mapping approaches and established important marker trait association for drought and heat tolerance related traits in chickpea. In addition He has authored several research/ review articles published in the top class international journals (e.g. Nat Biotechnol, Scientific Reports, Plant Biotechnol J, The Plant Genome, DNA Res, Theor Appl Genet, PLoS ONE, Briefings in Functional Genomics, Mol Genet and Genomics, Mol Breed, Plant Breed etc.) and presented his work as an invited speaker in several international and national conferences like Plant and Animal Genome Conference 2013 (California, USA); Plant and Animal Genome Conference 2015 (Singapore); DBT-ABLE conference 2014 (Bangalore, India). He have been contributing to the community by serving several journals as well as funding organizations as reviewer as well as helping in organizing national and international conference/seminars/workshops.

	Name : <b>Mahipal Reddy B.</b> Born : 01-03-1957 FTAS : TAS/2009 Address : DAE Raja Ramanna Distinguished Fellow, CSIR-IICT, Hyderabad – 500 007. E-mail : bmreddy@iict.res. in, mreddyb@yahoo.com Mobile : 9866004262
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Dr Reddy obtained his basic academic degrees namely, B Sc (OU, 1979), M Sc (KU, 1981), and Ph D (OU, 1986; work carried out at IICT) and joined as scientist (1984) at CSIR-IICT from where he has superannuated as Chief Scientist and Head of Inorganic & Physical Chemistry Department and Professor of AcSIR in February 2017. He has been continuing his active research at IICT as Raja Ramanna Distinguished Fellow offered by the Department of Atomic Energy (DAE), Mumbai. During his long career at IICT, he received various fellowships namely, JSPS, DAAD, CNRS, Brain-pool, NSF, and work in different countries that include Institute of Catalysis, Novosibirsk, Russia; Institute of Physical Chemistry, LMU, Munich, Germany; SUNY, Buffalo, USA; Texas A&M University, College Station, USA; AIST, Osaka, Japan; IRCE, Lyon, France; Inha University, South Korea; Ruhr University Bochum, Germany; Paul Scherrer Institute, Villigen, Switzerland; and RMIT University, Melbourne, Australia. He has also visited Italy, South Africa, Hungary, and China as Indian delegate member on Science and Technology activities supported by DST, New Delhi.

**Academic and Research Achievements:** Dr Reddy has contributed significantly to heterogeneous catalysis, green chemistry, nanomaterials, reaction engineering, and process technology. He has executed several catalyst design and process development activities for technology transfer to the chemical industry. His prominent contributions include, novel catalysts and process technology for oxidative dehydrogenation of ethylbenzene to styrene utilizing CO<sub>2</sub> as a soft oxidant, ammoxidation of 2-methylpyrazine to 2-cyanopyrazine (anti-TB drug intermediate), hydrogenolysis of bioglycerol to value-added products, and vapour phase conversion of phenol and methanol to anisole. He has authored or co-authored more than 300 original research papers in refereed international journals, 10 book chapters, 12 reviews, 5 monographs, 2 edited books, and holds 8 patents. The h index of his publications now stands at 61 and i10 index is 239 with total citations of more than 13,400. He has guided 40 PhD theses and more than 40 BTech/MTech/MSc dissertations.

**Awards and Honours:** Recipient of CSIR Young Scientist Award in Chemical Sciences (1990), Catalysis Society of India (CSI) Young Scientist Award (1993), Associate Fellowship of Third World Academy of Sciences, Sir C V Raman Fellowship of CSIR, Bronze Medal of CRSI, and many more. He is an elected fellow of Indian National Academy of Engineering, the National Academy of Sciences India, the Royal Society of Chemistry, and Telangana Academy of Sciences. He has served or serving as the council member of International Association of Catalysis Societies (IACS), member of Asia-Pacific Association of Catalysis Societies (APACS), honorary secretary of Catalysis Society of India, and honorary treasurer of Telangana Academy of Sciences. He has been serving as a member of the editorial board or guest editor of Journal of CO<sub>2</sub> Utilization, Applied Petrochemical Research, Emission Control Science and Technology, Catalysis Today, Industrial & Engineering Chemistry Research, Frontiers in Chemistry, Catalysis in Green Chemistry and Engineering, Current Physical Chemistry, Current Nanomaterials, regional editor for Current Catalysis, and some other journals. In his honour, Elsevier Science Publishers' flagship journal "Molecular Catalysis" (Impact Factor = 3.958) published a special issue titled "Metal Oxides in Catalysis: Prof Benjaram M Reddy Festschrift" on the occasion of his 60th birthday (Volume 451, June 2018).


	<p> <b>Name:</b> Dr. Malakondaiah G.  <b>Born:</b> 01-01-1951  <b>FTAS:</b> TAS/1996  <b>Address:</b> Former CCR&amp;D, DRDO, 8-9-140 Dhatu Nagar, Kanchanbagh PO, Hyderabad – 500 058  <b>E-mail:</b> gmalak123@gmail.com  <b>Mobile:</b> 9490956710 </p>
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B.E. degree in Metallurgical Engineering from Regional Engineering College (presently NIT), Warangal (1973); M. Tech. (1975) and Ph.D. (1980) degrees in Metallurgical Engineering from Banaras Hindu University (BHU). He served on the Metallurgy faculty of BHU for two years as lecturer (1980-82) prior to his joining Defence Metallurgical Research Laboratory (DMRL), Hyderabad in October, 1982. As NRC Senior Research Fellow of USA, he carried out post-doctoral research at Wright-Patterson Air Force Base, Ohio on advanced titanium aluminides for two years (1992-1994). At DMRL, he rose to the position of Director on June 1, 2007 and subsequently been elevated to Distinguished Scientist in July, 2010. He has also been elevated as CCR&D, DRDO in January 1, 2013 that he served up to December 31, 2014. Post-retirement from DRDO, he also served as a Steel Chair Professor from 2015 to 2016 at NIT-Warangal.

**Academic and Research Achievements:** His research work has been broadly in the area of advanced mechanical metallurgy, with special emphasis on structure-mechanical property correlations in metals and alloys and development of specialty steels. At DMRL he has undertaken a comprehensive research programme to develop a cost effective low-alloy alternative to the highly alloyed 250 grade maraging steel, best known for its attractive strength-toughness combination. His research has eventually led to the development of a new ultrahigh strength, high toughness low-alloy steel, designated DMR-1700. Under his leadership, technology for indigenous production of AB-class naval steels has successfully been established.

**Other Contributions:** Published more than 100 technical papers and guided FIVE Doctoral degrees.

**Awards and Honors:** Fellow of the Indian National Academy of Engineering (2003). He was awarded Swarup Jubilee medal (1975), BHU medal (1975), INSA (Indian National Science Academy) Young Scientists' Medal (1983), National Metallurgists' Day Award by the Ministry of Steel and Mines (1992), SAIL Gold Medal (1997), MRSI Gold Medal (1998), Scientist of the Year (2000), Agni Award for Excellence in Self-Reliance (2005) by DRDO, VASVIK award (2008), BHU Alumnus Award (2010) and DRDO Technology Leadership Award-2010.

	Name : <b>Prof. Malakonda Reddy V.</b>
	Born : 23-08-1932
	FTAS : TAS/2003
	Address : H.No:8-2-693/2/26 & 27, Mithila Nagar, Road No:12, Banjara Hills, HYDERABAD-500 034
	Mobile : 9848021315
	E-Mail : <a href="mailto:drvmalakondareddy@gmail.com">drvmalakondareddy@gmail.com</a>

#### **Academic and Research Achievements:**

He specialized in Structural Engineering at Doctorate level. Guided several Post Graduate students in their M.Tech. thesis work. He guided 3 Ph.D. students in Structural Engineering. He has done special work on prefabricated RCC structures applied to low cost housing.

**Other Contributions:** Pounder Principal and Secretary to CBIT, Gandipet, Hyderabad; He is Treasurer to SONET to which Education Minister is Chairman; Former President Indira Gandhi National Award for his contributions in the field of Education. Eminent Citizen Award from Sanathana Dharma trust; He was given the title “ Balasaraswathi” in 1951 and “Kavikiriti” in 1986.

**Awards and Honors:** Best Entrepreneurship in Technical Education by ATA USA.






**Name:** Dr. Malla Reddy P.  
**Born:** 6-5-1967,  
**FTAS:** TAS/2016  
**Address:** Professor, Department of Mathematics, Kakatiya University  
**E-mail:** mperati@yahoo.com  
**Mobile:** 9866578585

M.Sc. -Mathematics (KU), PhD- Mathematics (OU), doctoral work on “Dispersion studies of waves in plates and cylinders. Joined Conesco India, Hyderabad first as Programmer Analyst in Soft Quality Assurance (SQA) and Software Engineering Process Group (SEPG), and later worked as Team Leader for Insurance Projects. Postdoctoral training at the Graduate Institute of Communication Engineering and Department of Electrical Engineering, National Taiwan University, Taiwan, on Internet traffic modeling and performance evaluation Internet router. Joined the Department of Mathematics, Kakatiya University as Associate Professor. He was the Head, Department of Mathematics, K.U.. He was Chairman, Board of Studies in Mathematics, K.U.. He was the Co-ordinator, Internal Quality Assurance Cell (IQAC) at University Arts & Science College, K.U.. during the preparations for NAAC peer team visit. During this tenure, he has drafted Re-Accreditation Report (RAR) for NAAC peer team visit. Currently, he is Principal, University College of Engineering and Technology, K.U.. He has initiated the research work in two domains: 1 Study of wave propagation in porous solids, 2. performance evaluation of priority based asynchronous router. On the teaching front, introduced interdisciplinary courses to enhance the employability. Visited New York University in 2012, and Indian Institute of Science, Bangalore, in 2014 under Indo French Centre for Applied Mathematics (IFCAM) Program.

**Academic and Research Achievements:** In the first domain, first, his research was focused on plane stress problem in poroelastic solids. He had derived the constitutive equations and equations of motion under plane stress conditions. Next, he started working on anisotropic porous solids and Biot’s extension theory. These models and analytical results have been applied for bones (Non Destructive Evaluation, NDE). In the second domain, he has proposed generalized variance based Markovian fitting for Self-Similar network traffic and investigated priority based asynchronous router by using multi server Queueing system. He has applied these internet traffic models to vehicles traffic on national highways.

**Other Contributions:** Published over 65 research papers in peer-reviewed journals and guided 11PhD students, one Postdoctoral fellow under D.S Kothari scheme of UGC, and one M.Tech student. General Editor for Journal of Physics , Conference Series, 662, 2015, Institute of Physics (IoP) Publishing, U.K.. Reviewer for Reviews of American Mathematical Society (AMS), Journal of Sandwich Structures and Materials, Acta Mechanica, Journal of Vibration and Control (JVC), Journal of Porous Media, Special Topics and Reviews in Porous Media, Geophysical Journal International, and International Journal of Communication Systems.

**Awards and Honors:** Fellow, Telangana Academy of Sciences. Invited speaker for 103<sup>rd</sup> and 105<sup>th</sup> Indian Science Congress in Mathematical Sciences including Statistics section.

	<b>Name:</b> Dr. MALLA REDDY V. <b>Born:</b> 09-09-1945 <b>FTAS:</b> TAS/2000 <b>Address:</b> Director- Technical Symed Laboratories Ltd., Research & Process Development Centre, Plot No. 89/A, Shapur Nagar, IDA, Jeedimetla, Hyderabad-500055 <b>Mobile:</b> 8639933820 & 7702778471 <b>Email:</b> <a href="mailto:vangamallareddy@yahoo.co.in">vangamallareddy@yahoo.co.in</a>
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B. Sc with Chemistry, M. Sc in Organic Chemistry Special and Ph.D., OU, He was 11 years as a Senior Lecturer & Head of the Department in Govt-Aided colleges, joined Kakatiya University Dept. of Pharmacy. Worked as Professor of Pharmacy till the end of October 2005 Emeritus Fellowship wef January, 2006. He visited USA, Canada, UK, Germany, Switzerland, Italy, Netherlands, Egypt, Libya, etc.


#### **Academic and Research Achievements:**

Dr. Reddy's major area of academic & research activities is Organic Medicinal Chemistry. In view of his rich experience in Organic & Pharmaceutical fields, he was honoured with Chief Scientific Officer (CSO) (2000-2003) & General Manager, R&D (2009-2014) (Divis labs, Hyderabad), followed by Director-Technical by Symed Labs Ltd, Hyderabad (2014-2018). He is responsible for the Development of Newer Synthetic Cost-effective Processes for existing drugs of demand and obtained Indian, US, European & International patents.

He combines synthetic organic chemistry skills with biological and pharmacological approaches to address different Therapeutic Problems. He expertised in design, synthesis, characterization and evaluation of different classes of molecules each one being a combination of two or more functionalities which put together, combinely produce the desired Therapeutic effect efficiently, and such molecules, are generally refered a "Chimerics". He has worked extensively on CNS agents, Antidiabetics and Hypoglycemics, Non-steroidal anti-inflammatory agents, Antithrombotics (RGD peptidomimetics), Bronchodilatory agents, Antiasthmatics, Antimicrobials, etc., making use of suitable heterocyclic systems and introducing appropriate pharmacophore functionalities, and SAR studies in different series of synthesized compounds. Dr. Reddy Guided 52 Ph.Ds and published 405 papers in National & International Journals.

**Other Contributions:** Dr. Reddy worked as Expatriate Faculty as : Professor of Pharmacy at: School of Pharmacy, University of Addis Ababa, Addis Ababa (2 years); Faculty of Pharmacy, Al-Arab Medical University, Benghazi, Libya( 2 years); Faculty of Pharmacy, 7<sup>th</sup> October University, Misrutha, Libya (1 year); Chaired the sessions of Medicinal Chemistry presented Original Research Papers and delivered Invited Lectures in several National & International Conferences & Seminars.

**Awards and Honors:** Recipient of Dr.G.P. Srivastava Memorial Award (APTI), Life Time Achievement wzrd (APTI), AP Best Teacher Award, IDMA Best Research Award, DST Best Pharmaceutical Scientist Award, College of Association of Chest Physicians Ati Visistha Chikitsa medal & Fellowship, Rajiv Gandhi Excellency Award, etc,. Fellowships: Fellow of American Association of Pharmaceutical Scientists; Fellow, European Society of Medicinal Chemistry; Member, International Association of Green Chemistry; Member, AP Drugs Advisory Committee., etc.

	<p><b>Name:</b> Dr. Manikyamba C.</p> <p><b>Born:</b> 01-07-1960</p> <p><b>FTAS:</b> TAS/2005</p> <p><b>Address:</b> Sr. Principle Scientist &amp; Head, Geochemistry Division, NGRI, Hyderabad-07</p> <p><b>Mobile:</b> 9490705999</p> <p><b>E-mail:</b> <a href="mailto:cmaningri@gmail.com">cmaningri@gmail.com</a>;</p>
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**Academic and Research Achievements:** Dr. Manikyamba joined NGRI in 1980 and Ph. D. OU, working in the field of Geology and Geochemistry. Visiting Scientist at the Department of Earth Sciences; University of Saskatchewan, Saskatoon, Canada. She is a *Professor* at the Academy of Scientific and Innovative Research (AcSIR) of CSIR at NGRI.

#### **Academic and Research Achievements:**


Her major research contributions include the geochemical investigations on the volcano-sedimentary rocks documenting the Precambrian crustal evolution, crustal growth and gold mineralization from **Dharwar Craton**. She has studied the genesis of iron and manganese formations (BIFs, BMFs), redox potential of proto oceans, Archean transgression-regression processes and identification of granular iron formation, identification of potential zones of gold, geochemical characteristics of gold mineralizing fluids. She has reported for the first time many new rock types from Dharwar Craton which includes boninites, Nb-enriched basalts, Mg-andesites, adakites, OIB, shoshonites, leucitites, Ti-enriched komatiites etc., and documented Phanerozoic type of tectonic processes during Archean. Besides geological, petrological, geochemical and geochronological studies in the central Indian **Bastar and Bundelkhand Cratons**, she has also identified boninites, Nb-enriched basalts for the first time from the oldest **Singbhum Craton** and documented the Paleo-Mesoarchean subduction zone processes in the eastern India. The Paleozoic, Mesozoic, Cenozoic sediments and Rajahmundry traps of **Krishna Godavari Basin** and the biogeochemical studies from the stromatolites of **Cuddapah Basin** are also noteworthy of her contributions. She has 70 research publications in peer reviewed scientific journals of national and International repute, besides more than 120 research papers presented at various national and international seminars and symposia.

#### **Other Contributions:**

Steering Committee Member of International Association of Gondwana Research (2015-2017). EC Member of Indian Society of Applied Geochemists, (2014-2017). Research guidance to 8 students 2 obtained their degree. Reviewer of Lithos, Precambrian Research, Gondwana Research, Journal of Asian Earth Science, Geoscience Frontiers, and Ore Geology Reviews.

#### **Awards and Honors:**

Recipient of 1) *CSIR Young Scientist Award*, (1995), 2) *Dr. B.P. Radhakrishna Best paper award* (1999), 3) *National Mineral Award*, (2002), 4) *Andhra Pradesh Scientist Award* (2008P, APCOST), 5) *ISAG Gold Medal* (2009) for outstanding contributions, 6) *Geoscience Frontiers (2013) Best paper Award*,

	<b>Name:</b> Dr. Manjula Reddy N. <b>Born:</b> 06-02-1965 <b>FTSA:</b> TAS/2015 <b>Address:</b> Chief Scientist, CSIR-CCMB, Hyderabad-500 007 <b>Telephone:</b> 040-27192514 <b>E-mail:</b> <a href="mailto:manjula@ccmb.res.in">manjula@ccmb.res.in</a> ; mreddy65@gmail.com <b>Mobile:</b> 98667-06920
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MSc-Biochemistry (UoH), PhD-Life Sciences (JNU-CCMB)


#### Academic and Research Achievements:

Doctoral studies of Manjula Reddy at CSIR-CCMB were directed towards understanding the occurrence of spontaneous mutations in non-dividing populations of bacteria. Using a conditional genetic strategy to eliminate mutations that specifically arise in dividing populations, she studied Lac<sup>-</sup> to Lac<sup>+</sup> reversion mutations and showed that a variety of spontaneous point mutations and deletions can arise in non-dividing populations of *Escherichia coli* cells due to damage caused by endogenous oxidation and alkylation of DNA bases. Later, she did a short post-doctoral fellowship at Fred Hutchinson Cancer Research Centre at Seattle, USA to study DNA repair and recombination in bacteria.

She has expertise in bacterial genetics, biochemistry and cell biology and studies basic fundamental processes of bacteria using these approaches. Her current research interests at CCMB are aimed at understanding the mechanistic insights of bacterial growth and morphogenesis, i.e., to study how bacterial cell envelope elongates, undergoes invagination to form cell septum and eventually splits to generate daughter progeny during cell cycle progression using the Gram-negative rod-shaped bacterium, *Escherichia coli* as a primary model organism.

Eubacterial cell walls have a tough protective exoskeleton, the peptidoglycan (PG) sacculus that protects them against harsh environmental conditions. It is an extensively cross-linked, single, large, mesh-like molecule that totally surrounds the cytoplasmic membrane. Hence the growth of bacteria is tightly coupled to expansion of PG sacculus requiring concerted activity of PG hydrolases that cleave the cross-links for incorporation of new material and of PG synthases that catalyze the cross-link formation. Her lab demonstrated that the step of cross-link cleavage is essential for bacterial PG growth suggesting that it could be the rate-limiting in the enlargement of the murein sacculus. This work has great potential for the development of novel antimicrobials as bacterial cell walls are excellent targets of several antibiotics.

**Awards and Honors:** Editorial board member of 'Journal of Bacteriology', from 2015-2020 and received Raman Research Fellowship from CSIR in 2010. Elected to be a member of Guha Research Conference (GRC) and TAS in 2016.


	<p><b>Name:</b> Prof. Manjula Sritharan</p> <p><b>Born:</b> 02-07-1957</p> <p><b>Elected:</b> TAS/2015</p> <p><b>Address:</b> Room # F48, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Prof. C.R. Rao Road, Gachibowli, Hyderabad-500046</p> <p><b>E-mail:</b> <a href="mailto:srimanju@yahoo.com">srimanju@yahoo.com</a>; <a href="mailto:manjusridhar12@gmail.com">manjusridhar12@gmail.com</a></p> <p><b>Mobile:</b> 9866304464</p>
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M. Sc. Biochemistry, Faculty of Medicine (JIPMER, Pondicherry); Ph.D. from University of Hull, UK and Postdoctoral fellow at Harvard School of Tropical Public Health, Boston, USA. Worked at Anna University at the Centre for Biotechnology (1992-97) and in the University of Hyderabad since 1998 till date. Visiting Scientist at Johns Hopkins University, USA and Universidad Peruana Cayetano Heredia, Peru, South America (2000) Commonwealth Faculty Fellow at United Kingdom at the Veterinary Lab Agency (2007) and Head of the Department of Animal Sciences, University of Hyderabad (2010-2012).

**Academic and Research Achievements:** Teaching – Core Courses including Molecular Biology, Genetic Engineering and Biochemistry for post graduate students and Elective courses including Infection Biology and Vaccinology. Focus of research is Infection Biology, specifically host-pathogen interactions in tuberculosis and leptospirosis; understanding iron acquisition by pathogenic *Mycobacterium tuberculosis* and pathogenic *Leptospira* spp. Her lab was the first to report the hemin-binding protein HbpA by *Leptospira interrogans* serovar Lai and demonstrate the elaboration of the direct acquisition machinery in this pathogen. Subsequent work established the diagnostic potential of this protein and based on validation on a large number of bovine and human serum samples from suspected cases of leptospirosis, an ELISA-based and lateral-based method of detection are developed; efforts are ongoing to commercialize the product through a suitable industry partner. In *M. tuberculosis*, the role of the surface expressed iron-regulated protein HupB was elucidated as a transcriptional regulator of siderophore biosynthesis. Further, its role as an iron transporter has been demonstrated. Of clinical significance is the diagnostic potential of this protein in tuberculosis patients, particularly extrapulmonary cases which are difficult to diagnose by the conventional methods. Based on two separate clinical studies, HupB is further explored for its application in extrapulmonary TB diagnosis. Recently, methylation of HupB by a host methylase was published in the prestigious EMBO journal, a collaborative study with CDFD. Another important area is demonstrating the anti-tubercular activity of several chemically synthesized compounds.

**Other contributions:** Supervised and guided ten Ph.D students

**Awards and Honours:** Awarded Commonwealth Faculty Fellow at the Tuberculosis Research Group, Veterinary Lab Agency, UK. Recipient of LEPR Graduate Research fellowship, United Kingdom and Harvard University, and Fellow of Association of Biomedical Scientists (FABMS). Received the Prof. K. P. Sinha & Prof P. S. Krishnan Award (Association of Clinical Biochemists of India) for the best research paper in Indian Journal of Clinical Biochemistry (2000).

	<b>Name</b> : Prof. <b>Manohar Rao D.</b> <b>Born</b> : 02-07- 1946 <b>FTAS</b> : TAS/2004 <b>Address</b> : Professor (Retd.), Dept. of Genetics, Osmania University, Hyderabad-500 007 <b>Mobile</b> : 93 92 47 27 27 <b>E-mail</b> : <a href="mailto:dmanoharrao27@gmail.com">dmanoharrao27@gmail.com</a>
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B. Sc. (OU-1968), M. Sc. (OU-1970), Ph. D. (OU-1985) in Genetics Junior Lecturer / Govt. Junior Colleges as a reader in Telangana (1971–1989) and later joined Osmania University in June, (1989-1998) and as Professor (1998-2006).

#### **Academic and Research Achievements:**

Dr. Manohar Rao has 35 1/2 years of Teaching and Research experience in Government and Osmania University. He produced 8 Ph. D.s so far and currently guiding 6 Ph. D. students. He has successfully completed 3 Research Projects and Published 35 Research Papers in National and International journals. His focused Research is mainly on Pest and Insect Resistance in Pigeon pea and Sorghum through Wide hybridization / Inter specific hybridization / Transgenic approach, Male- Fertility Restoration of Diverse Male Sterility inducing Cytoplasms and their Effects on Agronomic and Defensive Traits in Sorghum; Isolated and characterized three new compounds for the first time from *Vitex*; and rosmarinic acid, an anti depressant agent, from *Coleus*. Presently his focused area of Research is Identification and Characterization of Drought Tolerance in Groundnut and Sorghum through Genomic and Proteomic approach; Evaluation of Sorghum Minicore collection and Novel Brown midrib (bmr) Sorghum sources for candidate Bio- fuel traits; besides identification and characterization of anti neo-plastic Phyto compounds.

#### **Other Contributions:**

**Present:** Chairman - Martyrs' Memorial Research Institute (MMRI); General Secretary - Thirumala Thirupathi Protection Committee; Convener - Academic Council of Ithihaasa Sankalana Samithi (Bharathiya); Member of the Executive Committee – Bharathiya Dharma Raksha Samakhya (BDRS); Member of the Managing Committee - Keshav Memorial Educational Society; President - Osmania University Retired Teachers' Association (OURTA); Joint Secretary – Osmania University Alumni Association; Convener – Citizens' Forum for Telangana (CFT). **Former:** National President- Akhil Bharatiya Vidyarthi Parishad (ABVP); State President - Hanumath Shakthi Jagaran Samithi; State Vice – President - Dharma Raksha Samithi; State General Secretary - Vishwa Mangala Gou – Grama Yathra; State Convenor - Amarnath Yathra Protection Committee; State Joint Convenor - Rama Sethu Protection Committee; State General Secretary - Govt. Junior Lecturers' Association; Member - National Executive Council, United Schools Organization (USO - UN Body), New Delhi, Lead the Study group on Teen Bhiga (Indo- Bangla Border) and Indian and Bangladesh Enclaves.

#### **Awards and Honours:**

He was awarded the National Merit Scholarship during M. Sc. 1968-1970. He produced the Best Ph. D. thesis in the Country: ICAR, Ministry of Agriculture, Govt. of India, Life Member of several Scientific Societies and Academies, on Editorial Board of some Scientific Journals.



	<p><b>Namee:</b> Prof. Manoharachary C.</p> <p><b>Born:</b></p> <p><b>FTAS:</b> TAS/1992</p> <p><b>Address:</b> NASI, Senior Scientist &amp; Platinum Jubilee Fellow, Dept. of Botany, Osmania University, Hyderabad-500007</p> <p><b>Mobile:</b> 9391164243 Off: 27682244; Res: 27562723</p> <p><b>E-mail:</b> <a href="mailto:cmchary@rediffmail.com">cmchary@rediffmail.com</a>, <a href="mailto:cmchary@gmail.com">cmchary@gmail.com</a>,</p>
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### **Academic and Research Achievements:**


Worked with British Council Young Scientist Exchange fellowship, UGC, 1979-80 Germany under Indo-German Cultural Exchange Programme, UGC, (1989-90), Principal, University College of Science, Osmania University Campus and Chairman of P.G. admission from (1995-2000). Chairman Board of Studies (1995-1997)., Head, Department of Botany from (1998-2000). Dean, UGC & Developmental Affairs since 2001 to till date. Co-ordinator UGC-SAP in Botany since 1994, Taxonomy, Biodiversity, Characterization and Classification of fungi, Fungal Ecology, post-harvest Pathology, Fungal biotechnology including Mycorrhizal Technology, Lichenology, Environmental Microbiology

### **Other Contributions:**

Student Union Advisor (1978-1984, 1985-1992), Vice-Principal, University College of Science, OU, 1992-1996, Chairman, Board of Studies in Botany, Osmania University, Hyderabad-1992-1994, Member, Academic Senate, OU, Member, Standing Committee, OU, Joint Co-ordinator, UGC-DRS in Botany, OU, 1989-1992, Co-ordinator, UGC-SAP in Botany, Since 1994, Co-ordinator, Taxonomy of Fungi, MoENF, since 1999, Dean, UGC & Developmental Affairs, Osmania University, since 2001

### **Awards and Honours:**

Young Scientist Award(1979) by AP Academy of Sciences, Govt. of Andhra Pradesh Award(1979) for outstanding teaching and research, Best teacher Award(1975) by Govt. of Andhra Pradesh, Honorary Research Advisory committee member, R&D, American Biographical Institute, New York, USA, 1996, Leadership in Science Award, 1996 American Biographical Institute, USA, Mahatma Gandhi Memorial Award by A.P. Film Society(1997), International Lions Award for Academic excellence-1998, Birbal Sahni Medal 2000, by the Indian Botanical society, Andhra Pradesh Scientist Award, 2001 by the Govt. A.P, Executive Member, A.P. Academy of Sciences, since 2001, Sectional President, Botany 89th Indian Science Congress 2002, President, Indian Phytopathological Society 2002, Member, National Biodiversity Strategic Plan Govt. of India. Editor, A.P. Academy of Sciences & executive Council, Vice-president, Indian Botanical Society, 2002-2003, Fellow of A.P academy of Sciences, govt. of A.P., India, Fellow of Indian Phyto-pathological Society, IARI, Fellow of Indian Botanical Society.

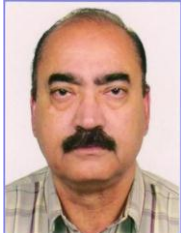
	<b>Name</b> : Dr. Manorama S.V. <b>Born</b> : 05-21-1963 <b>FTAS</b> : TAS/2010 <b>Address</b> : Nanomaterials Laboratory, Inorganic & Physical Chemistry Division, Indian Institute of Chemical Technology, Hyderabad-500 007 <b>Mobile</b> : 9866061347Off <b>E-mail</b> : <a href="mailto:manorama.iict@gov.in">manorama.iict@gov.in</a> , <a href="mailto:manorama.s.v@gmail.com">manorama.s.v@gmail.com</a> ;
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MSc in Solid State Physics that followed by a MPhil and a PhD in Physics from the Department of Physics Poona University. As a Commonwealth fellow under she spent one year as a postdoctoral fellow at the School of Physics, UWCC, Cardiff, Wales, UK. After her return she relocated and joined CSIR-IICT, Hyderabad to pursue her as a Research career where she is a Senior Principal Scientist in the Nanomaterials group of the Inorganic and Physical Chemistry Division. She was a JSPS fellow at AIST, Nagoya in 2002 and ALA fellow at Flinders'University, Adelaide, Australia in 2010.

**Academic and Research Achievements:** Dr.Manorama's research interests encompass synthesis methodologies to obtain functional nanomaterials and composites for device applications. The main thrust of her work is directed towards obtaining hierarchical structures, porous materials with large surface area under mild conditions, with controlled phase, morphology etc. for the desired applications and the convenience of up-scaling. Appropriate surface engineering to impart multifunctionality and make them suitable for the desired applications is the focus. Characterization, device fabrication and studying the device characteristics, analyte sensing characteristics and performance evaluation of the devices for establishing structure property relationship has led to the establishment of several facilities in her research group. These efforts have led to establishing a laboratory with facilities for material synthesis and characterization for applications in chemical, electrochemical and biosensors, catalysis, DSSCs, biological and biomedical applications.

**Other Contributions:** She is a member Board of studies for graduate and postgraduate studies in Physics of several Universities and also Executive council member of MRSI Hyderabad chapter. as a Professor in AcSIR she is course coordinator for the Advanced Materials Course at CSIR-IICT.

**Awards and Honours:** Commonwealth award in Physics 1989; JSPS Fellow 2002; Australian Leadership Award Fellow 2010; Fellow AP Akademi of Sciences 2010; Associate Editor for 'New Materials Development' Section of 'Chemical Sensors; ACS Membership award 2015; Visiting Professor, School of Materials Science and Engineering, Akita University, Japan 2015.

	<b>Name</b> : Masood Ahmed, Syed <b>Born</b> : 15-7-1953 <b>FTAS</b> : TAS/2013 <b>Address</b> : Flat No. 203, Srinidhi Nivas, Snehapuri, Nacharam,, Hyderabad-076 <b>E-mail</b> : <a href="mailto:smasoodahmad@rediffmail.com">smasoodahmad@rediffmail.com</a> ; <a href="mailto:masoodahmads@ngri.res.in">masoodahmads@ngri.res.in</a> <b>Mobile</b> : 8886311567; Off: 27012457; Res: 27171728
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M.Sc. in Chemistry from Lucknow University, Lucknow and Ph.D. from Department of Geology, Osmania University in “Geochemistry and Mineralogy of Karnataka Clays”. He joined CSIR-National Geophysical Research Institute as Scientific Assistant in January 1977 and retired as Chief Scientist in July 2015. He received a Post Doctoral Fellowship from Govt. of France during 1990-91 and visiting Professor at National Taiwan University, Taiwan in 2006. He is a member of ‘Editorial Board of Palaeo-3 journal’ (Elsevier).

#### **Academic and Research Achievements:**

Dr. Ahmad’s research areas include paleoclimatology, paleoceanography, isotope geochemistry and geo-environmental sciences. He has carried out research work on stable isotope geochemistry and paleoceanography by using marine and terrestrial sediments such as corals, marine sediment cores, speleothems and lacustrine sediments. Dr. Ahmad has worked on radiogenic (Sr & Nd) and stable (C, O & N) isotopes from deep-sea sediment cores of the North Indian Ocean including Ocean Drilling Program sites. He has published several records of past climatic and oceanographic changes using oxygen and carbon isotopes from surface and deep dwelling fossil foraminifera from well-dated marine sediment cores. Dr. Ahmad has served as Indian leader of International Geoscience Program (IGCP) #581 related to the ‘evolution of Asian river systems’. Presently he is also working on isotope systematics of scleractinian corals and speleothems (cave deposits). His recent studies on corals and speleothems have shown influence of El-Nino and solar cycles on Indian summer monsoon precipitation.

#### **Other Contributions:**

Dr. Masood Ahmad has established state-of-the-art laboratory and instrumental facilities like Isotope Ratio Mass Spectrometers (IRMS), ICP-OES, Particle Size Analyzer, Paleoclimate lab. and underwater coral drilling facility at CSIR-NGRI.

#### **Awards and Honours:**

He is recipient of National Geoscience Award-2009 in Geo-environmental studies from Ministry of Mines & Geology, Govt. of India; KK Menon Award-2013 in Sedimentology from the Geological Society of India; Fellow of Telangana State Academy of Sciences (TSAS); Fellow of the A.P. Academy of Sciences; Post Doctoral Fellowship from Govt. of France (1990-91).




Name	: Dr. Mohan Rao Ch.
Born	: 19-01-1954
FTAS	: TAS/2000
Address	: Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007
Tel	: (040) 2719 2543 (O), 2720 3931 (
Email	: <a href="mailto:mohan@ccmb.res.in">mohan@ccmb.res.in</a>

MSc in Physical Chemistry (KU, Warangal) Ph.D School of Chemistry, University of Hyderabad. Joined the Centre for Cellular and Molecular Biology (CCMB) as a Scientist. He visited the National Eye Institute, National Institutes of Health, Bethesda, USA (1990-92) and was a Visiting Professor at the Tokyo Science University, Japan (1996); Visiting Scientist at the University of Texas Medical Branch, Galveston, USA (2000), Visiting Professor at the Institute of Protein Research, Osaka, Japan (2002) and JSPS Invitation Fellow at the University of Tokyo (2004). Adjunct Professor, Mangalore University, Mangalagangothri, Karnataka (2016-), Adjunct Professor, RMIT University, Melbourne, Australia (2016-2019). He was the first President of the Telangana Academy of Science; President of Indian Biophysical Society; President of Society of Biological Chemists (India). President of Indo-American Cancer Research Foundation, Member of INSA Council (2010-12), Council of IUPAB and Council of FAOBMB.

**Academic and Research Achievements:** Dr. Mohan Rao combines biophysical, molecular biological and cell biological approaches to address problems of biomedical importance. His *in situ* investigations on malarial parasites using photo acoustic spectroscopy provided first experimental evidence for the presence of heme in aggregates along with the pigment and led to a model for possible mechanism. His intact lens fluorescence spectroscopic studies, including synchronous scan and red edge excitation shift (REES), have provided significant insight into the mobility and molecular packing of eye lens proteins which are relevant in lens transparency and cataract. This was the first application of REES to an intact biological sample. He has also investigated photochemical damage to the eye lens highlighting the importance of sunlight in cataractogenesis. His studies have shown that the loss of chaperone activity could be the molecular basis for desmin related myopathy and congenital cataracts that are associated with mutations in alpha-crystallin. He has shown that temperature dependent structural perturbation leads to enhanced activity of a small heat-shock protein, alpha-crystallin. His biophysical studies have shown structure-functional relationship and possibility of enhancing the activity by structural perturbations. This finding opened up the possibility of mitigating the complications arising out of protein misfolding and aggregation by enhancing chaperon-like activity. Utilizing molecular biology tools, he has engineered chimeric proteins with several fold higher activity with potential therapeutic applications. His later studies showed the possibility of alpha-crystallin's role in stabilizing the nuclear matrix, transcriptional apparatus, gene expression, apoptosis and cytoskeletal organization.

**Other Contributions:** Developed a DNA based diagnostic chip for simultaneously identifying 20 different organisms that cause ophthalmic infections as part of a multi-institutional project. Developed a smart, condition responsive nano particle system for keratitis. Developed (patented) a molecule for photodynamic therapy for cancer and eye diseases.

**Awards and Honors:** Recipient of Shanthi Swarup Bhatnagar Prize (1999) and the Ranbaxy Award for Basic Medical Sciences (2000). He is elected as "Sir JC Bose National Fellow". He was awarded Doctor of Science (*Honoris Causa*) by Kakatiya University; "Distinguished Alumnus" award by the University of Hyderabad (2018). Recipient of the Telangana State Award on the occasion first State Formation day celebration; Fellow of The World Academy of Sciences, Trieste, Italy; Fellow of Indian National Science Academy, Fellow of National Academy of Sciences, India; Fellow of Indian Academy of Sciences etc.


	<p><b>Name:</b> Dr. Mohana Krishna Reddy, Mudiam  <b>DOB:</b> 25-07-1977  <b>FTAS:</b> TAS/2019  <b>Address:</b> Analytical &amp; Structural Chemistry Department, <b>CSIR-Indian Institute of Chemical Technology</b>, Hyderabad -500007;  <b>E-mail:</b> <a href="mailto:mmudiam@iict.res.in">mmudiam@iict.res.in</a>; <a href="mailto:mmudiam@yahoo.com">mmudiam@yahoo.com</a>  <b>Mobile:</b> +91-9454985887; +91-8418048736</p>
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M.Sc. (Chemistry), National Institute of Technology, Warangal, 1999. Ph.D. (Biochemistry), Osmania University, Hyderabad, 2005 on “Biochemical analysis of opium latex (*Papaver somniferum* L) and its application in source identification”. Scientist at CSIR-IITR, Lucknow, 2005-2009. Visiting Scientist on deputation at Sidney Kimmel Comprehensive Cancer Centre at Johns Hopkins Medical Institution, USA, 2005-2006. Senior Scientist at CSIR-IITR, Lucknow, 2009-2013. Principal Scientist at CSIR-IITR, Lucknow and CSIR-IICT, Hyderabad, 2013-2018 and presently working as a Senior Principal Scientist at CSIR-IICT, Hyderabad since February, 2018.

**Academic and Research Achievements:** Guided 8 Ph.D. students and 11 Ph.D. students are presently working. The research interests mainly in exploring metabolomics, molecularly imprinted polymers (MIPs) and microextractions to help in environmental monitoring and understanding multiple toxicity patterns of environmental contaminants in various model organisms. MIPs and microextractions have shown potential to remove matrix interferences and yielded several sample preparation protocols to enhance the selectivity in identifying and quantifying the desired analytes of interest from various matrices. Developed mass spectrometry based metabolomics protocols to understand the toxicity patterns of environmental contaminants (pesticides and nanoparticles) in various model organisms and also to understand the effect of different ripening agents/practices on the fruit metabolome. Published 85 peer-reviewed articles with more than 2350 citations (*h* index of 30) in reputed international journals. The present research interests are to establish GLP compliant analytical facility to augment biosimilars characterization in India.

**Other Contributions:** Contributed significantly to establish regulatory compliant analytical facility at CSIR-IITR and CSIR-IICT as per ISO 17025 guidelines for xenobiotics characterization/analysis in complex matrices like environmental, food and biological samples. Instrumental in conducting several skill developmental programs at National and International level and Seminars as its convener/coordinator. Visited countries like Australia, China, France, Germany, Taiwan and USA as part of scientific collaborations and/or assignments.

**Awards and Honors:** Recipient of ABAP Young Scientist (2012) and Senior Scientist (2018) awards for achievements in Environmental Biotechnology using Analytical and Metabolomics approaches. Recipient of special appreciation awards for highest external cash flow and organizing skill development programmes (National and International level) at CSIR-IICT, Hyderabad. Academic Editor to PLoS ONE journal. Serving as Member of Scientific Panels on “Contaminants in Food Chain” and “Methods of Sampling and Analysis” of FSSAI, New Delhi. Delivered several plenary and invited talks in countries like Australia, China, France, Germany, Taiwan and USA.

	<p>Name : <b>Prof. Dr. Mohammad Khaja Nazeeruddin</b>  Born: 14-06-1957  FTAS : TAS/2019  Address : Faculty of Basic Sciences, ISIC, EPFL, Switzerland  E-mail : <a href="mailto:mdkhaja.nazeeruddin@epfl.ch">mdkhaja.nazeeruddin@epfl.ch</a>,  Mobile : 0041 79 960 7991</p>
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M.Sc. in Chemistry, 1980, and Ph. D. in Inorganic Chemistry, Osmania University, Hyderabad, India 1986. Government of India National Scholar award 1987 to 1989. Post-doctoral training at Swiss Federal Institute of Technology, Switzerland, 1987 to 1989. Senior Scientist, Institute of Chemical Science and Engineering, Faculty of Basic Science, Swiss Federal Institute of Technology Lausanne, Switzerland, 1989-2011. Professor 2012 to date at EPFL-Sion, Switzerland.

#### **Academic and Research Achievements:**


Prof. Mohammad K. Nazeeruddin's current research at EPFL focuses on Perovskite and Dye-Sensitized Solar Cells and Light-emitting diodes. He has published more than 660 peer-reviewed papers, ten book chapters, and an inventor/co-inventor of over 80 patents. The high impact of his work has been recognized by invitations to speak at several international conferences. Nazeeruddin has been named Thomson Reuters "Highly Cited Researcher" and one of the 5 scientists identified by Thomson Reuters as The World's Most Influential Scientific Minds 2016 and 2017 from all scientific domains. He has appeared in the ISI listing of most cited chemists and has more than 90'000 citations with an h-index of 145. He is teaching "Functional Materials" course at EPFL, and Korea University. He was appointed as World Class University (WCU) professor and Adjunct Professor at King Abdulaziz University, Jeddah.

**Other Contributions:** Nazeeruddin, has been listed among the Top 10 researchers in the perovskite solar cell research field by the Times Higher Education (THE). <https://www.timeshighereducation.com/data-bites/top-universities-and-researchers-perovskite-solar-cell-research#survey-answer>.

**Awards and Honors:** Elected to the European Academy of Sciences (EURASC), and Fellow of The Royal Society of Chemistry. Fellow of The Royal Society of Chemistry. EPFL Award/ISIC/Switzerland, Brazilian FAPESP fellowship award in 1999, Japanese Government

Science & Technology Agency Fellowship 1998, EPFL Award/ISIC/Switzerland 1998. Government of India National Scholar award.




	<p><b>Name:</b> Prof. <b>MUKKANTI KHAGGA</b>  <b>Born:</b> 01-07-1954  <b>FTAS:</b> TAS/ 2012  <b>Address:</b> Emeritus Professor; Prof. of Chemistry (ret.) &amp; former Director, Institute of Science and Technology (IST) (UGC Autonomous) JNTUH, Hyderabad-500085.  <b>Mobile:</b> 09963909007  <b>Email:</b> <a href="mailto:kmukkanti@yahoo.com">kmukkanti@yahoo.com</a>, <a href="mailto:kmukkanti@jntuh.ac.in">kmukkanti@jntuh.ac.in</a></p>
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M. Sc Analytical Chemistry (A.U.1976) and Ph.D (1984) and M.Phil (1978) from Delhi University, worked as Lecturer in Chemistry in Sri Venkateswara College, Delhi (1980-83). He joined as scientists Pool (RRL), Hyderabad, ( 1986-1989) and joined JNTU, Hyderabad as Assistant Professor, and Professor (1989-2014) and UGC BSR Faculty Fellow (2014-2017) after Emeritus Professor.

**Academic and Research Achievements:** He published more than 490 research papers in peer reviewed journals development, Organo Mettatics, Green chemistry, environmental chemistry, waste water treatment, solid waste management. Are his area of research interest 100 Ph. D students and nearly 300 M. Tech and M.Sc. Project Students in the fields of, designing the organic molecules, applications of novel catalysts and Waste Water Treatment. He wrote three books in the fields of Engineering Chemistry/Environmental Science. Organized several A.P Pollution control board, Department of Science and Technology(DST), University GrantsDST, DRDO, IICT. Dr. Reddy's Laboratories, Aurobindo Labs, etc. Technological University Hyderabad.

**Other Contributions:** Dr.K.Mukkanti was Director, Institute of Science and Technology (2011 - 2014) JNTUH and also worked as Head, Center for Environment, Centre for Pharmaceutical Sciences, Center for Chemical Sciences and Technology (2006 - 2013) in IST. helped IST to get TEQIP-II (12.5Crores) Funding and also responsible to get DST-FIST He started new Departments and new M.Tech & M.Sc courses and also established new laboratories in IST. Visited USA, France, Australia, Malaysia and Uzbekistan to attend training programmes and conferences. He worked as NODAL OFFICER, JNTU UG Examinations and PIU & NSS Programme Coordinator in JNTU.

**Awards and Honours:** He has worked as Chairman, CSIR-IICT Research fellow's assessment committee. He is expert member of Committees constituted by UGC, CSIR, AICTE, DAE...etc; Member CFE and CFO, APPCB & TS Pollution Control Board, Zonal Office; Senate Member, Sathavahana University Telangana. He is a referee and editorial member of National and International Scientific Journals. He is Life Member of Indian Science Congress Association (ISCA), Indian Society for Technical Education (ISTE), Indian Water Resources Society (IWRS) and Indian Council of Chemists (ICC).


	<b>Name : Dr. Mukund S. Chorghade.</b> <b>Born : 1953</b> <b>FTAS : TAS/2001</b> <b>Address : 7, Jones Court, Hillsborough, NJ 08844, USA</b> <b>E-mail : <a href="mailto:chorghade@comcast.net">chorghade@comcast.net</a>; <a href="mailto:mukundchorghade@fas.harvard.edu">mukundchorghade@fas.harvard.edu</a></b> <b>Mobile : 9879522369; Off: 508-308-3891; Res: 908-262-2648</b>
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B. Sc. and M. Sc. (University of Poona), Ph. D. in organic chemistry (Georgetown University). Postdoctoral appointments at the University of Virginia and Harvard University, visiting scientist at University of British Columbia, College de France / University' Louis Pasteur, Cambridge and Caltech and directed research groups at Dow Chemicals, Abbott Laboratories, CytoMed and Genzyme.

**Academic and Research Achievements:** Designed, Developed and Directed Chemistry for a variety of therapeutic and chemical applications. Consulted with major pharmaceutical and biopharmaceutical companies, on collaborations with industrial, academic and government laboratories (domestic and overseas; project management of technology transfer; process re-engineering; supply chain management and business development). Collaborated on in and out-licensing of pharmaceutically active moieties. Discovered and Developed technologies; enhanced capabilities of research laboratories; mentored chemists; Established strategic partnerships with chemistry based companies for establishment of strategic partnerships; conducted cGLP/cGMP training and implementation in academic/industrial laboratories.; Delivered seminars in numerous academic/industrial laboratories in the U.S.A., Europe, and Asia.;Visiting Scholar/Fellow at Harvard University, MIT, ICT, Cambridge, Caltech and Northeastern Universities; Directed chemical process and formulations research on pre-clinical and clinical candidates; Devised and implemented novel strategies for reduction of drug development cycle times Evaluated, selected and qualified vendors, worldwide, for deliveries of drug substance and product;(cGLP / cGMP) for pre-clinical studies and clinical trials; oversaw and facilitated business processes for contract implementation and regulatory compliance by vendors. Set and monitored product strategy, made key decisions for project prioritization and resource allocation.

**Other Contributions:** Discovery Development of Chemical Entities, novel synthetic routes/processes, formulations for pharmaceuticals; successful implementation of technology in kilo-labs, pilot and manufacturing plants. Expertise in diverse areas of organic synthesis Carbohydrates, Enzymes, Heterocycles, Metalloporphyrins, Molecular Recognition, Natural Products. Research work with eminent chemists: Robert Grubbs, Steven Ley, Jean-Marie Lehn, David Dolphin, Yoshito Kishi, Sidney Hecht, Charles Hammer, Bal Tilak. Experienced executive with multi-faceted skills and proven track record of innovation and exceeding organizational goals; service on the Scientific Advisory Boards of Corporations and Foundations. Visiting Scholar / Scientist at numerous academic institutions. Certified Professional in Current Good Laboratory Practices and Good Manufacturing Practices AAAS, ACS, and RSC. He is President of Chorghade Enterprises and Chief Scientific Officer, THINQ Pharma / THINQ Discovery, AGN Biofuels and Empiriko. He is also an adjunct research professor at Princeton University and has appointments at Harvard and MIT. He provides synthetic chemistry and development expertise to pharmaceutical and biopharmaceutical companies.

**Awards and Honors:** Alkyl Amines Padma Bhushan Prof. B.D. Tilak Chemon 2002 Distinguished Speaker Award; Diamond Jubilee Fellowship; Fellow of American Chemical Society; Fellow of Royal Society of Chemistry; Fellow- American Society for the Advancement of Science,, American Inst. of Chemists. Recipient of three "Scientist of the Year Awards", he is an elected Fellow of the ACS, AAAS and RSC.


	<p> <b>Name :</b> Dr. Munirathnam N. R.  <b>Born :</b> 01-06-1960  <b>Elected :</b> TAS/2018  <b>Address:</b> Director General, C-MET, Panchwati, Off Homi Bhabha Road, Pune-4111008  <b>E-mail :</b> <a href="mailto:munirathnamnr@yahoo.co.in">munirathnamnr@yahoo.co.in</a>,  <b>Mobile :</b> +91-7382609853 </p>
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M. Sc Physics (Electronics and Chemical Physics) (S V U, Tirupathi, 1982), Ph.D. (University of Hyderabad, Hyderabad, 1989) on Ferromagnetic metallic glasses. Post-doctoral Research associate, University of Virginia, Charlottesville, 1989-1990. Joined Centre for Materials for Electronics Technology (C-MET), Hyderabad as Scientist B in 1991 and elevated to Director General, C-MET, Pune in 2015 and looking after all C-MET centres in India. Worked as Brain Pool Scientist (2007-08) at Korean Institute of Geosciences and Mineral Resources (KIGAM), South Korea.

**Academic and Research Achievements:** Research interest in metallic glasses, Quasicrystalline materials, Purification of Electronic metals to Ultra High Purity (UHP) such as tellurium, cadmium, Germanium, tantalum, Hafnium, Titanium, etc, Electronic waste Recycling in Printed Circuit Boards for extraction of gold, silver, copper and palladium, Compound Semiconductors such as SiC single crystals of two inch diameter for growing modern electronic devices, Ceramic based Microwave materials for antenna / receiver at S, L1, L5 band frequencies., Sensors and actuators, Lithium Ion batteries for energy storage and Sensors for smart cities and Internet of Things (IOT). Eight technologies have been transferred to industry for commercialization and eleven are in pipeline as on date, some more one at development stage. Guided 02 Ph. D. students and 05 M.Sc. students. US patent one and 2 filed Indian patents and more than 70 papers in peer reviewed journals. Delivered around 90 invited lectures in national, international symposia and premier academic institutions and industry meets.

**Other Contributions:** Developed complete indigenous technology for the preparation of 7N (99.99999 at.% ) pure tellurium and cadmium materials for compound semiconductor and allied applications using all fabricated equipment, scaled it up and commercialized the technology.

**Awards & Honors and Professional Memberships:** Recipient of Sri Venkateswara Anasuyamma Award for highest marks from S V University, Qualified UGC-CSIR NET and received CSIR-SRF. Post Doctoral fellowship from MHRD for going abroad. Recognized research supervisor for Ph.D., Physics dept. JNTU, Hyderabad and Physics and Chemistry departments of Osmania University, NABL accredited technical Auditor as per ISO 17025, Materials Research Society of India (MRSI) award for the year 2014, Member of Board of Studies, Physics, Vasavi Engineering College, Hyderabad and Physics, JNTU, Hyderabad, Academic Council member of Sri Satya Sai Institute of Higher Learning (SSSIHL), Puttaparthi, Chairman, MRSI Hyderabad chapter from 2014, Life Member of Materials Research Society of India (MRSI), Member of Indian Institute of Metals (IIM), Former Member of Magnetic society of India (MSI) and American Physics Society (APS).

	<b>Name:</b> Dr. Murali Dharan Bashyam <b>Born:</b> 05-06-1969 <b>Elected:</b> TAS / 2018 <b>Address:</b> Centre for DNA Fingerprinting and Diagnostics, Inner ring road, Uppal, Hyderabad -500039 <b>E-mail:</b> bashyam@cdfd.org.in <b>Mobile:</b> 91-9490745818
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B. Sc. (H) Zoology, Delhi University, 1989. M. Biotechnology, AIIMS, Delhi, 1991. Ph. D. Biochemistry, Delhi University 1996. Project associate in Delhi University 1996-97, Research Associate at National Institute of Immunology, 1997-99. Staff Scientist at CDFD, Hyderabad 1999-present.

**Academic and Research Achievements:** Research interests in molecular oncology and human genetics. Identified novel tumorigenesis pathways driving rectal adenocarcinoma and esophageal squamous carcinoma in Indian population. Revealed novel transcriptional targets for rare p53 mutant forms. Detected novel oncogenic function for the cytoplasmic form of the nuclear tumor suppressor ARID1B. Also, revealed novel mutation profile for several common and rare genetic disorders in the Indian population. Published 60 peer reviewed articles in journals and guided 6 Ph. D. students.

**Other Contributions:** Established National Genomics and Transcriptomics Facility at CDFD in 2002 to provide services in the areas of DNA Sequencing, quantitative PCR and genomics.

**Awards and Honors:** Recipient of INSA young scientist medal 1998, Fogarty International Research Collaboration Award 2008, AACR-NCI International Investigator Opportunity Grant 2008, National Bioscience Award, DBT 2013, elected as member of the National Academy of Sciences, India, 2001 and Fellow of Andhra Pradesh Akademi of Sciences 2018.

	<b>Name:</b> Dr. Murali Krishna C. <b>Born:</b> 04-03-1967 <b>Elected:</b> TAS/2018 <b>Address:</b> Chilakapati Laboratory, Cancer Research Institute, TMC-ACTREC, Kharghar, Navi Mumbai, 410210 <b>E-mail:</b> <a href="mailto:pittu1043@gmail.com">pittu1043@gmail.com</a> , <a href="mailto:mchilakapati@actrec.gov.in">mchilakapati@actrec.gov.in</a> , <b>Mobile:</b> 91-9490362140, 02227405039
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M.Sc. Biochemistry (OU. 1989). Post M.Sc. (Biosciences, 1990) and Ph.D, Saha Institute of Nuclear Physics, Kolkata. He was a post doctoral fellow (CNRS, France) and visiting faculty (Ministry of Education, France), Labo de Biophysique, MNHN, Paris. He is a BOYSCAST Fellow, DST, Govt. of India (Unite' Me' DIAN UFR Pharmacie, universite' de Reims, France, 2002) and he has been a regular visiting scientist/professor at the same institute. He was a faculty (Asst. Prof. to Assoc. Prof., 1999–2007) at Centre for Laser Spectroscopy, Manipal University, Manipal. Presently he is working as Scientific Officer 'F' and Principal Investigator, Chilakapati Laboratory, Cancer Research Institute, Advanced Centre for Treatment, Research and Education in Cancer, Navi Mumbai.

**Academic and Research Achievements:** Conducting extensive Raman spectroscopy clinical trials, in vivo and body-fluids/exfoliated cells, for cancer and other disease diagnosis, screening and therapeutic-monitoring. He was first to demonstrate Raman in vivo spectra of oral cancer subjects, in clinically-implementable time, subsequently delineation of oral malignant, pre-malignant subjects and most importantly cancer-field-effects, the earliest events in oral cancers. His studies ruled out influence of age-related-physiological changes on Raman-based-cancer diagnosis/screening. He successfully shown, oral cavity can be treated as single entity simplifying Raman-based screening. His cervical cancer clinical trials demonstrated suitability of vagina as internal-control which is very significant for non-invasive Raman-screening applications. His serum-Raman trials demonstrated oral cancer screening with comparable sensitivity/specificity to conventional screening tools. Raman-exfoliative-cytology trials of cervical and oral have yielded acceptable sensitivity/specificity. He has successfully explored in vivo and ex vivo approaches in predicting recurrences and second primaries, known hurdles and attributed to poor prognosis in oral cancers. His studies suggest utility of serum Raman in diagnosis of asthma, meningioma, malaria and dengue subjects and monitoring therapeutic drug levels of Imatinib, a known drug for CML. Drug and radiation resistance in cell lines/ex vivo samples is also reported by him. Ten students completed PhD and several M.Tech/M.Sc dissertations were carried out under his supervision. He authored 113 papers, reviews/book chapters-12 and books-1. Mentor of National Photonics Fellowship, Women Scientist program, DST (2011-13), National Post-doctoral Fellowship, DST (2017-2018)

**Awards and Honors:** He is a BOYSCAST Fellow and regular visiting scientist/professor, University of Reims, France. He is participant of several international collaborations (National Translational Research, NCI, NIH, USA, European Union programs, Indo-Finnish, DBT, Indo-Mexican DST). Founder Member/Council Member-International Society for Clinical Spectroscopy (CLIRSPEC), UK; Member -The International Society for Optics and Photonics (SPIE), USA; Life member: Indian Society of Radiation and Photochemical Sciences (ISRAPS), Society of Biological Chemists (SBC), Society for Cancer Research and Communication (SCRC), Biophysics Paschim (BBP). Editorial Board Member for Biomedical Spectroscopy and Imaging, Journal of Innovative Health Sciences and Translational Biophotonics.




Name:	<b>Dr. Murthy B.V.S.</b>
Born:	10-10-1944
FTAS:	TAS/1999
Address:	H. No. 1-8-4/A, Ravindranagar, Habsiguda, Hyderabad-007
Mobile:	8978190497
Email:	murthy.bvs11@gmail.com

B.Sc. M.Sc. (Tech A.U) and Ph. D. Geophysics Andhra University. After a brief stint with the Central Water & Power Commission as Asst. Res. Officer at New Delhi. Joined as a faculty in the Centre of Exploration Geophysics (CEG), OU, 1972. As Lecturer (1973-79). Reader (1979-87). Professor (1987-2004). Dr. Murthy richly contributed to the applied and experimental research in Gravity & Magnetic methods in the CEG by taking up a number of academic and industrial projects sponsored by Govt. Public Sector and Private Industrial concerns, for Exploration Geophysics, Mining & mineral prospecting, Groundwater, Structural & Geological problems. Direct beneficiaries, of these works in addition to the geoscience fraternity at large, are industrial agencies like ONGC, MECL, SCCL, CMPDIL, OMC, APMDC, NMDC, FACOR etc.

BOS in Geophysics (1994-96) and head of Geophysics Department (1995-97). Guided and several research scholars among 10 candidates Ph. D. Published over 100 research papers in peer reviewed journals. A monograph on "Geophysical prospecting of coal- the Indian Scenario" jointly written by prof. Murthy and Dr. P.R. Pant.

Dr. Murthy was on the academic bodies of a number of Indian Universities or a Resource Person for UNESCO and other courses conducted by NGRI, GSI, CGWB, AMD, JNTU, HCU, ISM, CUSAT, SRTMU, Shantiniketan Univ., AU. He delivered the Geometrics- Electrotek endowment lecture at Dehra Dun (2009) and received Gold Medal from IGU. He is a life Fellow of Ind. Geophysics. Union, Society of Petroleum Geophysicists, and Life Member of Indian Science Congress Association. Visited USA and UK in 1983 Present papers 53<sup>rd</sup> Annual International conference of the Society of Exploration Geophysicists. He was an Associate Editor of the journals of Indian Geophysical Union (2016-2018).




	<b>Name:</b> Dr. Nagaiah K. <b>Born:</b> 02-06-1966 <b>FTSA:</b> TAS/2010 <b>Address:</b> H. No. 4-1-216/123 Part. Kartekeyanagar Nacharam, Hyderabad – 500076 <b>Email:</b> <a href="mailto:nagaiah.iict@gov.in">nagaiah.iict@gov.in</a> / <a href="mailto:nagasaisrikari@gmail.com">nagasaisrikari@gmail.com</a> <b>Mobile:</b> 9440485366 and 040-27173481
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Dr. K. Nagaiah for Ph. D. he worked on nature products and their medical value. He gained experience in collection of plants by visiting forests of Mahabubnagar and Warangal District and interacted with tribals to understand tribal medicine while working in Osmania University. As a Ph.D student at Osmania University Nagaiah was involved in developing a new formulation of Neem, Annona and pongamia etc., and the results were published at World Neem Conference.

**Academic and Research Achievement:** Dr. K. Nagaiah has contributed very significantly in diverse areas of organic and bioorganic and medicinal chemistry like isolation of Natural products from various traditional plants, total synthesis of various biologically active natural products like anticancer, antifungal, herbicidal and antibacterial; developing of novel synthetic protocols like green chemistry, Multi-component reactions for the synthesis of pharmacologically potential heterocyclic systems, important drug intermediates and industrial essentials. Dr. Nagaiah has also carried out several industrial projects with International companies like SmithKlineBeecham, UK (Solid Phase Organic Chemistry); ArQule, USA; Dupont, USA (New Chemical Entities); and Evolva, Singapore (New Chemical Entities) and Indigenous companies like Cipla (Dirthromycin), Sai Life sciences (Solid Phase Organic Chemistry), Sami labs Ltd (Solonsol), and Dolphin Laboratories (Nutraceutical). He also developed procedures for isolation of marker compounds for Nisarg Biosci. Pvt.Ltd, Hyderabad.

**Other Contributions:** Visiting Scientist at the Kangwon National University, Chunchon, Republic of South Korea (Feb. 2002 - March 2003).Invited talk on the Indian natural products used for Cosmetic at Amore Pacific on 3rd June 2008, Republic of South Korea. Invited talk on "Ancient aroma of 'Amore Pacific' from India" at LG Household & Health Care on 4th June 2008, Republic of South Korea.

**Awards and Honors:** Best Performance Award 1999-2000. Director's Special Award for highest Annual ECF earning from single company's sponsored projects.


	<b>Name</b> : Dr. Nagaraja R. <b>Born</b> : 15-08-1956 <b>FTAS</b> : TAS-1998 <b>Address</b> : Chief General Manager, Regional Centres, National Remote Sensing Centre (NRSC), ISRO, Dept. of Space, Govt. of India, Balanagar, Hyderabad-500 037 <b>Mobile</b> : 9885807113; Off: 23878585; 23884355 <b>E-mail</b> : <a href="mailto:nravori@yahoo.com">nravori@yahoo.com</a> , <a href="mailto:nagaraja_r@nrsc.gov.in">nagaraja_r@nrsc.gov.in</a> ;
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Ph.D. in Remote Sensing & GIS from Osmania University, and Post Graduate Diploma in "Remote Sensing", Anna University, Madras . Got trained in Geographic Information System (GIS) by USAID and Computer Assisted Remote Sensing Techniques for Land Use and Agricultural Crop Assessment by FAO.

**Academic and Research Achievements:** Dr. Nagaraja involved in many Nation-wide Remote Sensing projects carried out by NRSC/DOS and made significant contribution in assessment of national resources and monitoring, which made considerable impact in operationalisation of remote sensing and transfer of technology to many users in India. He is responsible to standardize classification and digital and visual methodology for Land use/Land cover as well as urban, Forest and Wasteland analysis. He is also responsible in developing procedures/methods to use GIS for Land Use Planning and wasteland development. He is a Project Coordinator for National Wasteland Mission (NWM) responsible for creating digital data base on large scale for the entire country. Coordinated to install the Wastelands digital database under G2G National GIS at Planning Commission and PMO for wider utilisation. He has used microwave, thermal and optical data to study the land use dynamics and its impact on environment. He is contributing as an expert member towards Quality Assurance of resource maps prepared by various work centres under different missions. He has been involved in use of multi-state data for generation of multi-purpose cadastre and IGBP studies. He is member NNRMS Standards Committee to finalise data base & content standards. He has been a consultant to International Fund for Agricultural Development (IFAD), Rome, Italy for North-east region community resource management for upland areas. He has visited about many countries for different technical activities. He is consultant Expert Consultation on strategies for Land Cover Mapping and Monitoring organised by FAO/UNEP, Florence, Italy, May 2002. Published 60 papers which include two selected on international merit. He is the Project Director of Space based Information Support for Decentralized Planning (SIS-DP), intended for generation of High Resolution Ortho-Image base and large scale natural resources database of the country .


**Other Contributions:** Dr. Nagaraja has been associated with International Society for Photogrammetry and Remote Sensing (ISPRS) for a long time and Secretary, ISPRS TC VII, Working Group (2000-2004) and Co chair, ISPRS TC VIII Working Group (2004-2008). Joint Secretary of Indian Society of Remote Sensing (ISRS) for two terms. He is also Joint Secretary for Indian Society for Geomatics (ISG) for 2014-17.

**Awards and Honours:** He is recipient of Indian Geographical Society (IGS) (1997), The Federation of Andhra Pradesh Chambers of Commerce & Industry (FAPCCI) award (1998), Indian National Remote Sensing Award (1999), ISRO Team Excellence Award (2009) , Astronautical Society of India (ASI) Team Achievement Award (2009) and National geomatic Award (2012).

	<p><b>Name:</b> Prof. Nagarajan R.</p> <p><b>Born:</b> 23-07-1975</p> <p><b>FTAS:</b> TAS/2017</p> <p><b>Address:</b> Professor, School of Chemistry University of Hyderabad, Hyderabad-500046.</p> <p><b>Telephone:</b> 040-23134831</p> <p><b>E-mail:</b> nagaindole@gmail.com</p>
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M.Sc. Organic Chemistry (1998) and Ph.D. (2003) from University of Madras, worked at Organic Chemistry Division, Central Leather Research Institute, Chennai. Did his postdoctoral work in National Taiwan University and National University of Singapore. In 2005, he joined School of Chemistry, University of Hyderabad as Lecturer and currently he is Professor.

His research area is focused on synthesis of heterocyclic chemistry and natural product synthesis. Awarded INSA Young Scientist Award (2008) from Indian National Science Academy (INSA) and Fellow The National Academy of Sciences (NASI), Allahabad (2012).

	<p><b>Name :</b> Dr. Gullapalli N. Rao</p> <p><b>Born:</b> 21-09-1945</p> <p><b>FTAS:</b> TAS/2002</p> <p><b>Address:</b></p> <p><b>Mobile:</b> 9849214646 <b>Off: Res:</b> +9140-65510365</p> <p><b>E-mail:</b> gnrao@lvpei.org</p>
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#### **Academic and Research Achievements:**

Honorary Doctorates from the University of Melbourne and University of New South Wales, Australia and Dr. NTR University of Health Sciences, India. President of “Academia Ophthalmologica Internationalis (AOI)”, group of 80 of the most eminent academicians in ophthalmology in the world. Visiting professor to many Universities in the U.S, Europe, Australia and Asia. Published about 300 papers in peer reviewed international journals. Editorial Boards of several international journals of ophthalmology. Fellow qua surgeon” of the “Royal college of Physicians and Surgeons”, Glasgow. Fellow of two of the Science Academies of India and Fellow of National Academy of Medical Sciences

#### **Other Contributions:**

Former Secretary – General and later Chair of the Board and CEO of the International Agency for Prevention of Blindness (IAPB) in which role played a pivotal role in developing and fostering the global initiative to eliminate avoidable blindness along with WHO – VISION 2020 : The Right to Sight. Leadership Position in many National and International eye care organizations and Founder of L V Prasad Eye Institute

#### **Awards and Honours:**

Naumann Award from International Council of Ophthalmology for “outstanding global leadership in eye care”. Bernardo Streiff Gold Medal from Academia Ophthalmologica Internationalis for the contribution made to the advancement of ophthalmology. Kupfer Award from Association of Research in Vision and Ophthalmology. Jose Rizal Medal from Asia Pacific Academy of Ophthalmology for outstanding contributions to eye care in Asia Pacific region . World Cornea Congress Medal from International Cornea Society (Among the first ten). International Blindness Prevention Award from American Academy of Ophthalmology. Outstanding Humanitarian Service Award from American Academy of Ophthalmology. Barrie Jones Lecture of Royal College of Ophthalmologists, U.K. Many named lecturers around the world. Three awards from All India Ophthalmological Society. Three awards from Asia Pacific Academy of Ophthalmology. First Association of Eye Banks of Asia Award at the Asia Cornea Society Scientific Meeting of Asia Cornea Foundation and Many other awards from both National and International organisations

	Name: <b>Dr. Nageswara Rao S.V.S.</b>
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	<p><b>Name:</b> Prof. Narahara Chari, Dingari  <b>D.O.B:</b>  <b>FTAS:</b> TAS/2019  <b>Address:</b> Adjunct Professor, Department of Data Science, Academic and Corporate Engagement, Worcester Polytechnic Institute, 100 Institute Road Worcester, MA, USA, 01609  23 Windsor Rd, Belle Mead, NJ, USA, 08502  <b>Email:</b> <a href="mailto:dnchari@gmail.com">dnchari@gmail.com</a>; <a href="mailto:ndingari@wpi.edu">ndingari@wpi.edu</a>  <b>Mobile:</b> 1-401-767-7769</p>
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Prof. Narahara Chari Dingari, PhD is currently Vice President and Head of Data Science at Deutsche Bank's Compliance Technology and Adjunct Professor of Data Science at the Worcester Polytechnic Institute (WPI). He was a research scientist at Massachusetts Institute of Technology (MIT) during 2009-2013 working with Prof. Michael Feld and Prof. Ramachandra Dasari in Laser Biomedical Research Center funded by National Institute of Health (NIH). He was also a postdoc at Harvard University in 2009 working with Prof. Claude Lechene in National Resource for Imaging and Mass Spectrometry Laboratory funded by NIH. Prof. Dingari completed his PhD (2007) in Physics from the University of Rhode Island under the guidance of Prof. David Heskett. He did M.Sc. (1999) in Physics with Quantum Field Theory specialization from the University of Hyderabad (HCU) and B.Sc. (1997) in Mathematics, Physics and Chemistry from P.G. College of Science, Saifabad, Osmania University. Prof. Dingari also worked as Junior Research Fellow in Department of Science and Technology, Government of India sponsored project at HCU with Prof. M. Siva Kumar working on Fractional Quantum Hall Effect finding an explicit relation between Laughlin wave function and one-dimensional system.

**Academic and Professional Achievements:** Prof. Dingari is an internationally recognized thought leader in the Artificial Intelligence and Data Science space. He is an expert in big data technology innovations and the applications of machine learning-based solutions to real-world problems. His work on these topics covers a wide range of industries including banking, insurance, finance (annuities and retirement), business credit, and biomedical diagnostics. Prof. Dingari periodically teaches applied analytics and machine learning classes and workshops at universities and research institutions around the world. Prior to his current corporate role, he was leading teams at Dun & Bradstreet, Prudential and Dell EMC. At MIT and Harvard, he worked on multiple patented data-driven projects on Machine Learning for Biomedical diagnostics. He is also a keynote and featured speaker at academic and industry conferences - where he shares his knowledge and passion for machine learning, and especially proof-of-value of AI.

**Awards and Honors:** Recipient of Tony B. Academic Travel Award in 2012 and 2013. Featured as Young Investigator in Bioanalysis Journal in August 2011. Elected as Foreign Fellow of Telangana Academy of Sciences (TAS).




	<p><b>Name:</b> Dr. NARAHARI SASTRY G.  <b>Born:</b> 17-01- 1966  <b>FTAS:</b> TAS/2008  <b>Address:</b> Chief Scientist, Molecular Modeling Group, Organic Chemical Division, CSIR-IICT, Tarnaka, Hyderabad-500 007  <b>Mobile:</b> 9963582996; <b>Off:</b> 27193016; <b>Res:</b> 27050272  <b>E-mail:</b> <a href="mailto:gnsastry@gmail.com">gnsastry@gmail.com</a>;</p>
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B.Sc. and M.Sc. OU, and Ph.D. (University of Hyderabad) After a couple of Post-Doctoral research at Univ. of Fribourg, Switzerland, he started his independent research career in 1997 at Pondicherry University. Joined IICT, Hyderabad in 2002 to head the Molecular Modelling Group. Dr. Sastry's research interests are computational chemistry and computer aided drug design. With more than 210 publications to his credit, Dr. Sastry has contributed significantly in the fields of non-bonded interactions, buckybowl chemistry, hetero-aromaticity, designing structures that defy conventional bonding patterns, pericyclic reactions, biomolecular modeling and computer aided drug design. Several of his computational predictions have seen experimental realization. Noteworthy contributions are in the field of understanding the structural and energetic aspects of cation- $\pi$  interactions and their relevance in chemistry and biology. His current interests are computational chemistry, and biology and computer aided drug design.

**Academic and Research Achievements:** Successfully guided 12 Ph.D. students, and several M.Tech., M.Pharm., and M.Sc. students. 6 Post-Doctoral Research. Currently about 10 students are pursuing their Ph.D. He has organized and participated in many national and international conferences.

**Other Contributions:** Analyzing Coordination preferences of  $Mg^{2+}$  complexes: Insights from computational and database study. Y. Indra Neela, A. Subha Mahadevi, G. N. Sastry, Struct. Chem., 2012, 00, 000. Contrasting preferences of N and P substituted heteroaromatics towards metal binding: Probing the regioselectivity of  $Li^+$  and  $Mg^{2+}$  binding to  $(CH)_6$ -m-nNmPn. Bhaskar Sharma, D. Umadevi, G. N. Sastry, Phys. Chem. Chem. Phys., 2012, 00, 000. Metal ion binding with carbon nanotubes and graphene: Effect of chirality and curvature. D. Umadevi, G. N. Sastry, Chem. Phys. Lett., 2012, 00, 000. The book entitled Concepts and Methods in Modern Theoretical Chemistry, Two. volume Set, Dolly Vijay and G. N. Sastry, Ed by S. K. Ghosh; P. K. Chattaraj, CRC Press Taylor Francis Group, 2012, ISBN 9781466506237. Rational approaches towards lead optimization of kinase inhibitors: The issue of specificity. P. Badrinarayan, G. N. Sastry, Curr. Pharm. Des., 2012, 00, 000

**Awards and Honours:** Shanti Swarup Bhatnagar Award of CSIR in Chemical Sciences ,2012, CRSI Medal National Bioscience Award of DBT,2009, B. C. Deb Memorial Award for Soil/Physical Chemistry, Indian Science Congress,2008, IICT Gaurav Samman Alexander von Humboldt Fellow IICT Roll of Honor,2007, B. M. Birla Science Award in Chemistry,2001, Fellow of National Academy of Sciences (FNASc), India. India, Visiting Professor, Institute of Molecular Sciences, Okazaki, Japan, OC-ICOS Visiting Fellow, Indian Institute of Science, Bangalore, India, Visiting Scientist, University of Fribourg, Switzerland

	<p> Name: <b>Dr. Narasinga Rao T.</b>  Born: 15-10-1963  FTAS: TAS/2016  Address: Scientist 'G' &amp; Associate Director, ARCI, Balapur, Hyderabad-500 005  Mobile: 9849546605  Email: <a href="mailto:tata@arci.res.in">tata@arci.res.in</a> </p>
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Dr. Tata Narasinga Rao is currently Associate Director of International Advanced Research Center for Powder Metallurgy and New Materials (ARCI), Hyderabad. He obtained his Ph.D in Chemistry from Banaras Hindu University (BHU) in 1996, and went to University of Tokyo, Japan as post-doctoral research fellow and continued as Lecturer at the same University until he returned to ARCI, Hyderabad in 2003. His current research interests are nanomaterials-based technologies and energy storage devices including Li-ion batteries and supercapacitors for electric vehicle (EV) applications. He was recipient of Japanese national fellowships MONBUSHO and JSPS. He received MRSI medal in 2009, FAPCCI Excellence Award in 2011, Costal Chemical Research Award in 2013, Tokyo University of Science President Award in 2014 and Technology Day National award in 2016 from President of India. He was elected as Academician of Asia Pacific Academy of Materials (APAM) in 2015. He has contributed to 122 research papers, filed 20 national/international patents and transferred two nanomaterials-based textile technologies to Indian industries, which were commercialized. He was also visiting faculty to IIT Hyderabad and University of Hyderabad.



**Name:** Dr. Narayana Rao M.  
**Born:** 01-09-1955  
**FTAS:** TAS/2010  
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B. Tech, Mechanical Engineering, (JNTU, Ananthapur, 1972-77), Post Graduate Training, Nuclear Engineering, (BARC, Mumbai, 1977-78). Post Graduate level Certificate Course in Management, Marketing in Complex World, The Open University Business School (OUBS), Walton Hill, Milton Keynes, UK. (2002-05). Global Advanced Management Programme (GAMP), Management Programme, **Indian School of Business, Hyderabad and Kellogg's School of Management, USA(2012)**. A Mechanical Engineer, with his 30 years of rich experience in making, shaping and treating of exotic ferrous and non-ferrous metals such as Special Steels, Super alloys and Anisotropic alloys of Zirconium and Titanium, has remarkably contributed to the applications of strategic industries of Atomic Energy, Space, Aerospace, Defence and Energy sectors. Dynamic leader and an astute of technocrat-scientist, who had spent his service in the development of above materials, gained expertise at NFC (Nuclear Fuel Complex) and lead Mishra Dhatu Nigam Limited (MIDHANI), a Public Sector Undertaking under Ministry of Defence, as its Chairman & Managing Director for more than 9 years. In the his service as C&MD, he had turnaround the Company to a profitable PSU increased sales by five times and made the Company strong by adding as **Mini-ratna** by the Government of India. Later leading M/S MTAR technologies as CEO , a private limited company and also turnaround by doubling its production in two years. **POSITIONS HOLDING AS DIRECTOR/MEMBER :** Director in the BOARD of **M/S AVANTEL LIMITED, Hyderabad. Member of the Governing Council of ARCI** (International Advanced Research Centre for Powder Metallurgy & New Materials) an autonomous R&D Centre of Government of India's Department of Science and Technology (DST) , which is in the technology development and transfer of technologies to the public. **Council member of Indian Institute of Metals (IIM)**, a national professional body of Metallurgists and Material Scientists. **IEM ( Independent External Monitor) for M/S Dredging Corporation of India limited, Visakhapatnam. IEM ( Independent External Monitor) for Visakhapatnam port trust , Visakhapatnam. POSITIONS HELD AS DIRECTOR/MEMBER :** **Chairman & Managing Director** of Mishra Dhatu Nigam Limited (Superalloys Plant), a Government of India Enterprise. **Director** on the Board of **Nuclear Fuel Complex (NFC)**, Department of Atomic Energy, which takes strategic decisions of the Company. Nuclear Fuel Complex manufactures Nuclear fuel for Indian PHWR, PWR & PFBR reactors for the Indian Nuclear Power Programme. **Director of Andhra Pradesh Gas Power Corporation Limited (APGPCL)** which produces power from the natural gas. **Member of the Governing Council of ARCI** (International Advanced Research Centre for Powder Metallurgy & New Materials) an autonomous R&D Centre of Government of India's Department of Science and Technology (DST) , which is in the technology development and transfer of technologies to the public. **Former President of Indian Institute of Metals (IIM)**, a national professional body of Metallurgists and Material Scientists. **Former Chairman of Society of Defence Technologists (SODET)**, a Society of Defence Public Sector Undertakings, such as Hindustan Aeronautics Limited (HAL), Bharat Electronics Limited (BEL), Bharat Earth Movers Limited (BEML), Shipyards – Garden Reach Shipbuilders & Engineers Ltd (GRSE), Mazagon Dock Ltd (MDL), Goa Shipyard Ltd (GSL), Hindustan Shipyard Ltd (HSL), Bharat Dynamics Ltd (BDL) and Ordnance Factories including Quality Assurance & Standardization Departments of Defence. Member of Research Council in DMRL (**DEFENCE METALLURGICAL RESEARCH LABORATORY- MOD**)

**Awards and Honors:** **J R D TATA AWARD - 2015** FOR "EXCELLENCE IN CORPORATE LEADERSHIP IN METALLURGICAL INDUSTRIES" **"YOUNG SCIENTIST - 1989 "** Award by Government of Andhra Pradesh and the Andhra Pradesh State Academy of Sciences. **"ENGINEER OF THE YEAR- 1991"** Award by the Institution of Engineers and Government of Andhra Pradesh. **"METALLURGIST OF THE YEAR -2006 "** Award by Ministry of Steel and (IIM) Indian Institute of Metals. **Global HR Excellence Award - 2013** presented by the Institute of Public Enterprise (IPE) as **"CEO WITH HR ORIENTATION"** Fellow of National Academy of Engineering (INAE)


	<b>Name:</b> Prof. Narayana Rao D. <b>Born:</b> 01-05-1949 <b>FTSA:</b> TSA-2012 <b>Address:</b> Raja Ramanna Fellow, School of Physics, University of Hyderabad, Hyderabad-500 007 <b>Telephone:</b> 040-23011230 <b>E-mail:</b> <a href="mailto:narayanarao.desai@gmail.com">narayanarao.desai@gmail.com</a> , <a href="mailto:dnrsp@uohyd.ac.in">dnrsp@uohyd.ac.in</a> <b>Webpage:</b> Desai Narayana Rao <b>Mobile:</b> 9849806442
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MSc-Physics (1971, SVU), PhD- Physics (1978, IIT Kanpur): Doctoral work is on spectroscopic studies on rare-earth doped single crystals. Postdoctoral work at Indian Institute of Technology, Delhi and Indian Institute of Technology, Kanpur; State University of New York at Buffalo; Research Scientist at Massachusetts Institute of Technology, Cambridge, USA, University of Massachusetts at Boston, USA (from 1978 to 1988). CSIR Pool Officer (1998), Reader at University of Hyderabad (1990), Professor at UH (1998). UGC BSR Faculty Fellow (UH, 2014), DAE Raja Ramanna Fellow (UH, 2016). His current interests are in Nonlinear optics, excited state dynamics, laser direct writing, surface structure modifications through laser irradiation, 2D IR and Optical spectroscopies and fluorescence spectroscopy, 1D and 3D photonic crystals.

**Academic and Research Achievements:** Prof. Narayana Rao has developed CO<sub>2</sub>, FIR, ps and fs laser systems for the study of the ultrafast dynamics of excited states, transient grating spectroscopy, waveguide CARS that can achieve mono-layer sensitivity, spectral diffusion studies in organic solids, measurement of the second and third order susceptibilities through EFISHG, SHG, FWM, electro-absorption and Z scan etc. He studied ultrafast phenomena in the fs time scales using a ns laser, through what is known as incoherent laser spectroscopy. He demonstrated Pancharatnam phase through a very simple experiment. He demonstrated anti-Stokes emission at 570 nm with 633 nm He-Ne laser. His recent studies on spectral shift through interferometry demonstrates its utility for the measurement of displacements as small as few nm. His work in optical switching using bR has resulted in an international patent on All Optical Gates. He published good number of papers in international journals on 1D and 3D photonics crystals, Surface Enhanced Raman Scattering (SERS). He has made an excellent progress in the area of optical limiting, where the limiter transmits linearly in the low intensity regime but limits to a threshold at very high intensities. His recent studies on local fields throw light on real and virtual cavities appearing in the literature. Recent studies include super continuum generation, subsurface 700 nm waveguide channel preparations in glasses and polymers, and NSOM.

**Other Contributions:** Published over 240 research papers in peer-reviewed international journals and guided 20 PhD students. Completed 19 DST, SAE, CSIR and DRDO projects. Has a citation index of 5400 as on 2017. Invited speaker at many national and international seminars. Reviewer for most of the Optics Journals, Director of SERC School on Nonlinear Optics, Convenor of National Laser Symposium and International Conference on Photonics, Has a Patent: All optical devices, US patent no. 5,757,525

**Awards and Honors:** Senior NRC Fellow (USA), Senior Life Member Optical Society of America, Life Member Optical Society of India, Life Member Indian Laser Association, Fellow of T.S and AP Academy of Sciences, Elected president of Indian Laser Association, Editorial Board member of Pramana, Journal Frontiers in Physics: Optics and Photonics, Member of the DST - PAC, FIST, Fast Track and Early Career schemes


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Ph.D. Madras University, physical chemist with research specialization in the field of surface chemistry and catalysis. During his 45 years of research and teaching Dr. Narayanan was associated with St. John's College, Palayamkottai, Indian Institute of Technology (IIT, Madras), Loyola College (Chennai), Osmania University (OU, Hyderabad), Indian Institute of Petroleum (IIP, Dehra Dun), Indian Institute of Chemical Technology (IICT, Hyderabad), St. Joseph College, West Hartford, Ct. USA, University College Galway, Ireland, Queen's University Belfast, Northern Ireland (UK), University of Waterloo, Ontario, Canada.

**Academic and Research Achievements:** He has contributed immensely to the area of supported metals, zeolites, mesoporous materials, oxides, clays and solid acids. He developed a novel method of using metal-zeolites in cigarette filters to reduce the dangerous CO content of tobacco smoke. He has applied his expertise in designing catalysts for the synthesis of chemicals and intermediates especially alkylphenols, alkylanilines, cyclohexyl amine, methyl isobutyl ketone (MIBK) and cyclohexanone. His attention later turned to working on enviro-catalysis and green chemistry. Currently he is concentrating on the understanding of nano-particles in catalysis. He has published over 150 research papers and taken 6 international patents guided 35 students for masters and Ph.D.

**Other Contributions:** He visited University of California Berkeley, Stanford University, California State University Hayward. He was a member of several Indian catalysis delegations and established a number of international collaborations. Dr. Narayanan was the first recipient of Indo-French collaborative grant in catalysis (IFCPAR) and had a successful collaboration with IRC, Villeurbanne, Lyon, France. He visited several countries, Belgium, Canada, France, The Netherlands, UK, USA, Kazakhstan, Russia, and Hungary, on collaborative mission and research programme. He had successfully completed research projects for CSIR-UGC, DST. He was General Secretary of the CSI (1999 –2001) and President of Catalysis Society of India (2005-2007). Editorial Board Member of Bulletin of the CSI and Proceedings of AP Akademi of Sciences (Chemical Sciences Section). Council Member of International Association of Catalysis Societies (IACS) 2000 – 2004. He has organized several national catalysis workshops and conferences. Dr. Narayanan was a CSIR Emeritus Scientist at IICT, (2001-2006) and an UGC Professor Emeritus at IICT, Hyderabad (2007-2009).

**Awards and Honors:** Life member of Zeolite Association (IZA), International Mesostructured Materials Association (IMMA). Indo-Pacific Catalysis Association (IPCA). Clay Mineral Society of India, Materials Research Society of India, Indian Society of Analytical Chemists, Indian Council of Chemists, Chemical Research Society of India, Indian Association of Chemistry Teachers (IACT). Fellow of Indian Chemical Society. He was awarded American Chemical Society (ACS) The Asia Foundation Grant (1973), Royal Society of Chemistry (London) Journals Grant for International Authors in (1998). INSA Visiting Scientist to The Netherlands (1999), Professor B.D. Tilak Fellow to UDCT, Mumbai (2000-2001), and UGC Visiting Professor to Madras University (2000).

	<p><b>Name:</b> Dr. Narender T.</p> <p><b>Born:</b> 20-06-1969</p> <p><b>FTAS:</b> TAS/ 2019</p> <p><b>Address:</b> CSIR-Central Drug Research Institute, Lucknow</p> <p><b>E-mail:</b> <a href="mailto:t_narendra@cdri.res.in">t_narendra@cdri.res.in</a>,</p> <p><b>Mobile:</b> 91-9415019297</p>
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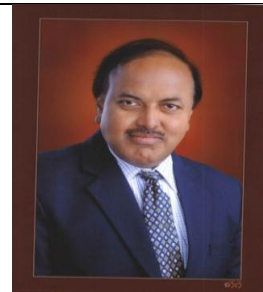
T. Narender was born in a remote village, Vilasagar, which is located in the Karimnagar district of Telangana State, India. He obtained Ph.D. degree in the area of natural products (phytochemistry) from the University of Kakatiya, Warangal, Telangana, India in 1999. After obtaining his Ph.D. degree, he joined as a Scientist in the ICAR-Central Marine Fisheries Research Institute (CMFRI) Cochin, which is one of the constituents of ICAR, New Delhi, India in November 1999. In July 2002, he moved to the CSIR-Central Drug Research Institute, Lucknow, India, on a higher position, and July 2016 onwards he holds a Professor (AcSIR) and Senior Principal Scientist position (CSIR).

**Academic and Research Achievements:** He has been awarded the BOYSCAST Fellowship by the DST, New Delhi, India, in 2007. As a part of this program he visited University of California, San Diego (UCSD), where he worked in Prof. William Fenical's lab on marine bacteria and fungus from April 2007 to March 2008. He published more than 111 research articles in various national and international journals, two book chapters, a US patent and delivered 36 invited lectures in national and international conferences. Under his supervision 14 students have been awarded their Ph.D. Currently, his research group is engaged in developing leads for various diseases such as malaria, leishmania, cancer, diabetes, and lipid lowering from the Indian medicinal plants, marine organisms. He also carries out work on chemical transformation and synthesis of natural products of biological importance.

**Other Contributions:** So far his research work led to development a few health care products of societal benefit. Already he has licensed a nutraceutical product for the management of Benign Prostatic Hyperplasia (BPH) to a Chennai based company (Lumen Marketing Company) which is an unmet medical need. Two more nutraceutical products for the management of Osteoporosis and fracture healing and Polycystic Ovary Syndrome (PCOS) are in licensing stage with Laila Nutraceutical Pvt.Ltd and Humanettics Pvt Ltd. He is also one of the active team member of two phytopharmaceutical products (management of Osteoporosis and Diabetes and Dyslipidemia), which were licensed to Pharmanza Herbal Pvt. Ltd, Gujarat and TVC Skyshop Pvt. Ltd. Mumbai respectively.

**Awards and Honors:** One of the thesis guided by him has been chosen for Eli Lilly and Company Asia Outstanding Thesis Award for 2014. He has been honored with the CSIR-CDRI Incentive Award for the best publication during the year 2008, 2012, 2014, 2017 and 2018. He is recipient of ISCB 2020 Award for Excellence in Drug Research.





**Name:** Dr. Narsaiah B.  
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Hyderabad-500 007  
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**Mobile:** 9676095218  
**E-mail:** narsaiah@iict.res.in, [narsaiahbanda84@gmail.com](mailto:narsaiahbanda84@gmail.com),

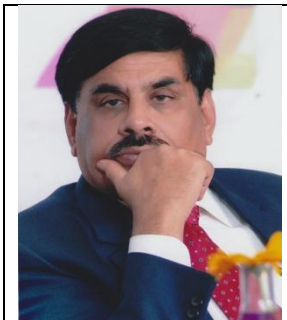
MSc-Organic Chemistry (OU), PhD-Organic Chemistry (OU): Doctoral work on synthesis of novel heterocycles of potential biological interest. The studies mainly on synthesis of novel fluorinated molecules as introduction of fluorine into an organic molecule dramatically alters the properties of molecule in terms of lipophilicity, oxidative thermal stability, permeability thereby enhancement of transport mechanism and efficacy. Each series of novel fluorinated compounds synthesized were screened against various diseases like cancer, bacteria, fungi, tuberculosis etc., and promising compounds in each series have been identified. Visited Germany for six months in 1991 and 2006 (three months each) under CSIR-DAAD exchange of scientists program to initiate various bilateral collaborative research programs. Visited Daejeon, South Korea for one year in 2008 under Brain pool program as an international fellow to pursue R & D on drug discovery. Visited Cape Town, South Africa to deliver a Key note lecture in 2016 in Fluorine Symposium.

**Academic and Research Achievements:** Research contribution mainly on development of technologies for Hydrofluorocarbons (HFCs) such as HFC-134a, HFC-227ea which are used as refrigerant, air-conditioning gases, aerosols, fire suppressing agents and are considered as well recommended substitutes for ozone depleting chlorofluorocarbons (CFCs) and Halons. Also developed technologies for Isoproturon & Metoxuron (Herbicides), 4-Acetoxy-2-methyl-2-butenal (an intermediate for Vitamin 'A' acetate) 3-chloro-4-fluoro aniline & 2,4-dichlorofluorobenzene (Drug intermediates) 1,1,1-Trichlorotrifluoroethane (CFC-113a) (intermediate for  $\lambda$ -cyhalothrin), Trifluoroacetic acid (TFA) (solvent), Trifluoroethanol (TFE) (intermediate for desflurane, an anesthetic) fluoro monomers (CTFE, VDF), 1,1,1,3-Tetrachloropropane, 2,3-Dichloro-1,1,1-trifluoropropane and 1,1,1,3-Tetrachloro-4,4,4-trifluorobutane.

**Other Contributions:** Published over 111 research papers in peer-reviewed journals, 3 book chapters, 20 patents and guided 17 Ph.D. students.

**Awards and Honors:** . IICT best performance award during 2000-2001 for HFC-134a, IICT Technology award 2005 for the Heptafluoropropane, IICT Technology award 2011 for the Fluoroelastomer, IICT best process know how award 2015 for tetrachloropropane, IICT Highest external cash flow from overseas award 2016. Member, Telangana State Environmental Impact Assessment Authority (TSEIAA).



	<b>Name:</b> Prof. Narasimha Reddy K. <b>Born:</b> 12-05-1952 <b>FTAS:</b> TAS-2004 <b>Address:</b> "DARSH" H. No. 8-2-686/C/F/6, (MCH-1644), Road No. 12, Banjara Hills, Hyderabad – 500034 <b>Mobile:</b> 9948285222 and 7799615407 <b>Email:</b> <a href="mailto:professorkatta@gmail.com">professorkatta@gmail.com</a>
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B. Sc Special (1972), M. Sc, Physics (OU,1974).Awarded Ph. D (1982) in the area of Solid State Physics. He worked at the International Center for Theoretical Physics, Trieste (Italy) on preparation and Characterization of Single Crystals of High Temperature Super Conductors (1989). He joined Osmania University as a Faculty member in Physics (1980) and became Head of the Department of Physics (2009). He was the Vice Chancellor of Mahatma Gandhi University, Nalgonda, Telangana State (2011-2014).

#### **Academic and Research Achievement:**

Dr. Katta Narasimha Reddy research focus was in the areas of Preparation and characterization of single Crystalline halide materials, glasses, High Temperature Super conductors and Thin Films, Developing new Super-ionic materials and polymer blends for solid state battery applications. He has published over 100 research articles in different International journals of repute.

#### **Other Contributions:**

Dr. Reddy as a Professor and Head, Department of Physics has been actively involved in advancing the research activity at Osmania University. He is the life member of many professional bodies and fellow of three Science Academies. As a **Vice Chancellor** of Mahatma Gandhi University at Nalgonda, He introduced sweeping reforms in University governance and introduced several innovative science programs. He designed the road map for the research at that University.

#### **Awards and Honours:**

Dr. Reddy was Elected Fellow of **APAS** (2004) and **FWIF** (2004), Founding Fellow of **TSAS** (2015), and Elected Gen. Secretary of Society for Advancement of Solid State Sciences. He was the recipient of **Life Time Achievement Award**, conferred by Confederation of Indian Universities & Common wealth of Vocational Education & Research (2013). He was elected Vice president of Andhra Pradesh academy of sciences during 2010-2015.




Name: **Prof. Navaneeth Rao T.**  
 D.O.B.  
 FTAS:  
 Address: Former Vice-Chancellor, Osmania University, H.No-1298, Road No-63, Jubilee Hills, Hyderabad -500 033  
 Ph. No-  
 Email:

Prof. T Navaneeth Rao an esteemed academician and administrator has 40 years of teaching and research experience. He is Professor of Chemistry, Osmania University, from 1970-91. His research interests are mainly focused, in the field of Environmental Chemistry, Chemical Education, Application of Science & Technology in Rural Areas. He has published 220 papers and 5 books, presented around 160 research papers in various national and international conferences, delivered keynote

lectures, invited lectures etc. Under his esteemed guidance 24 students received their Ph.D degree. He visited various countries like Europe, USA, Far East etc. not only to present research papers in International Conferences but also on teaching assignment.

Professor Rao is a recipient of J.C Young Scientist Award – 1972; Best University Teacher Award - 1981; Recipient of St. Meesum Award 1986 for contributions in Science and Technology; Recipient of Dr. C R Reddy Vamsee Award 1989 as Eminent Educationist; Recipient of National Unity Award 1990; Recipient of Viaya Shree Award – 1990; Recipient of Award from A P Akademy of Sciences. Professor Navaneeth Rao held various administrative positions as Chairman, SRT Rural Institute; President, Institute of Public Enterprise; Director, Andhra Bank ; Member, Task Force; Chairman, Scientific Commission – European Union-India Economic Cross Cultural Exchange Programmes; Director, Institute of Public Enterprise, Hyderabad; Chairman, Karnataka Universities Review Commission; Vice Chancellor, Osmania University, Hyderabad; Rector, Osmania University; Director, Post-Graduate Schools, Osmania University; Head, Department of Chemistry, Osmania University.

Professor Navaneeth Rao is also a Member of many Professional Bodies of which few are cited here viz., Fellow of the Royal Society of Chemistry (London); Member, Inter-American Photochemical Society (USA); Fellow of the Indian Chemical Society; Member, Indian Science Congress Association; Fellow and past-President, Andhra Pradesh Academy of Sciences; Member of Catalysts Society of India; Member, Indian Photo Biological Society; Fellow, Electrochemical Society of India; Executive Member of the Andhra Pradesh Science Centre; Member Executive Committee, Research Advisory Council and Scientific Advisory Committee of Indian Institute of Chemical Technology, Hyderabad; Member, Andhra Pradesh State Research & Development; Convener, State-wise Advisory Committee of the College Science Improvement Programme (COSIP); Member of the Research Committees CSIR, UGC, Chairman, Andhra Pradesh Pollution Control Board; Member, Board of Governors, Administrative Staff College of India, Hyderabad; Member on the Executive Committees of various academic institutions.


	<p><b>Name:</b> Dr. Padmaja G.</p> <p><b>Born:</b> 15-08- 1962</p> <p><b>FTAS:</b> TAS/2017</p> <p><b>Address:</b> Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad-500046</p> <p><b>E-mail:</b> <a href="mailto:gprsl@uohyd.ernet.ingudipallipadmaja@gmail.com">gprsl@uohyd.ernet.ingudipallipadmaja@gmail.com</a></p> <p><b>Mobile:</b> 91-9440673934</p>
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M.Sc. and Ph.D. Genetics (OU), post-doctoral research (OU), (1991-1993) joined as Lecturer at University of Hyderabad. Professor. University of Hyderabad.

She was awarded Biotechnology Overseas Associateship work with for six months Dr. Umesh K. Reddy at West Virginia State University, U.S.A. She is teaching Genetics, Microbial Genetics and *In Vitro* post-graduate students published 26 research articles in peer-reviewed journals and applied for one Indian patent. She has also contributed 9 articles/book chapters for proceedings, post-graduate diploma courses and Dr. B. R. Ambedkar Open University. . She guided 6 Ph.D. students, one M.Phil. student and 20 students for M.Sc. dissertations. She mentored 2 students for post-doctoral Fellowships. Presently, 6 Ph.D. students and One post-doctoral Fellow are working .

Her research interests are in the area of Plant Genetics, Tissue Culture and Biotechnology. and sex identification using molecular markers, molecular genetic diversity analysis, *in vitro* propagation and genetic transformation, and characterization of bioactive compounds and their enhancement using *in vitro* approaches in economically important plant species. Successfully completed project funds.

Research projects of CSIR, New Delhi and also reviewed several. She has been the DBT Nominee for Institutional Biosafety Committee for CPMB, Hyderabad. M/s. Mahindra and Mahindra Ltd. (Agri-Business) and M/s. Vikky's Agrisciences Pvt. Ltd..


	<p><b>Name:</b> Dr. PADMASREE K.P.M.S.V.</p> <p><b>Born:</b> 17-02-1968</p> <p><b>Elected:</b> TAS/2018</p> <p><b>Address:</b> Department of Biotechnology and Bioinformatics, School of Life Sciences, University of Hyderabad, Hyderabad -500046</p> <p><b>E-mail:</b> kpssl@uohyd.ac.in</p> <p><b>Mobile:</b> 91-9949643580</p>
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B.Sc. (Z.B.C) - Nagarjuna University, 1987 and M.Sc (Biochemistry) - University of Hyderabad, 1989. Ph.D. (Plant Sciences) at University of Hyderabad, 1998 on “Biochemical Basis of the importance of mitochondrial oxidative electron transport in optimizing photosynthesis in mesophyll protoplasts of pea (*Pisum sativum* L.)”. Post-doctoral Fellow (Plant Sciences), 1998-2001 at University of Hyderabad. Joined as Lecturer (2001) in the Department of Plant Sciences, Reader (2010) and as Professor (2016) in the Department of Biotechnology and Bioinformatics, School of Life Sciences at University of Hyderabad.

**Academic and Research Achievements:** Guided 6 students for Ph.D. and 39 students for Master’s Dissertation. Research interest is in Plant Biochemistry and Biotechnology, viz. structure-function relationship of two defense proteins – Mitochondrial Alternative Oxidase (AOX) and Seed Proteinase Inhibitors using various physiological, biochemical and omic- approaches. Revealed the role of AOX in sustaining photosynthesis during abiotic stress such as high light and oxidative stress by maintaining cellular ROS and redox homeostasis. Purified and characterized several seed proteinase inhibitors, revealed the importance of Kunitz and Bowman-Birk Inhibitors as biopesticides. Published more than 53 research articles in peer reviewed National & International Journals, Book Chapters/Proceedings.

**Other Contributions:** Developed dioxane lignin nanoparticles (DLNP) from subabul stems and explored their efficacy as antioxidants and UV-protectants. Demonstrated the use of DLNP as a matrix in controlled release of agrochemicals using the herbicide Diuron as a model compound.

**Awards and Honors:** National Merit Scholarship, UGC Fellowship, CSIR-Post Doctoral Fellowship from MHRD, Govt. of India, Recipient of R.D. Asana Gold Medal (ISPP, 2001) for contributions in area of photosynthesis, Alexander von Humboldt Research Fellowship, Germany (2005-06; 2007); Associate Fellow of APAS- 2011; Fellow of SAB in 2011; Cullan Devarajan Memorial Award (SAB, 2011) and SARC Excellence Award in Teaching (SARC, 2011).

	<p> Name: <b>Dr. Pant P. S.</b>  Born: 25-07-1929  FTAS: TAS/1990  Address: No.4, Dhyanaprastha Township, Majeedpur, Aliabad Po,  Shameerpet Mandal, Medchal Dt. Hyderabad-500101  Mobile: 9866368254  Email: <a href="mailto:pantps@gmail.com">pantps@gmail.com</a> </p>
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B. Sc with Physics as Main- First Rank, Andhra University; with Gold Medal 1948. M.Sc in Meteorology and Oceanography from Andhra University-1951. Ph.d in Meteorology from New York University with 125<sup>th</sup> Founders Day Award of Achievement'

#### **Research Activity :**


Published about 40 Research papers on Upper Atmosphere and Meteorology in American and Indian Journals. Meteorological Training and Education : Co-Author of Guidelines for Meteorological Education and Training published by World Meteorological

Organisation, Geneva.

Author of Workbook for Meteorological Training published by WMO in English, French and Arabic

Served as WMO Expert for Meteorological Training in Regional Meteorological Training Centres at Nairobi and Baghdad.

Served in different capacities in the India Meteorological Department and retired as Additional Director General of Meteorolgy in 1981.

	Name: <b>Prof. Papi Reddy. T.</b> Born: 06- 10-1938 FTAS: <b>TAS/2004</b> Address: H. No. 3-10-52, Third Floor, Gokhal Nagar Colony, Ramanthapur, Hyderabad 5-- -13 Mobile: 9908366978 Email:
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B.Sc (Agr) degree (OU-1963). M.Sc (Genetics) ICAR, and Ph. D (Genetics OU). He joined the Dept. of Genetics (OU) as lecturer in 1967 and promoted as Professor in 1987. He served the Dept. as Head and later as Chairman BOS (1990 to 1996). He was Co-coordinator of UGC COSIST and SAP programmes in Genetics (1989-1997). Member of the Academic Senate, OU (1993 to 2002). Visiting Scientist at the California University (Davis)USA. 1987. Visiting Professor ( JSPS Fellow)at Hokkaido University (Sapporo), Japan. Technical Expert of the joint FAO & IAEA (Vienna ) at CARI Srilanka (1986) & 1988). Appointed Chairman of the “Screening Committee” and Expert Member of the “ Selection Committee” for selecting Best Scientists of APCOST, (2010-2011).

**Academic and Research Achievements:** Using test systems of rice, barley and onion, genotoxic and clastogenic effects of heavy metals, liquor adulterants, argemone oil, and pesticide carbendazim have been analyzed which hold serious implications for the genetic hygiene of human beings. In elite traditional rice varieties non- allelic, semidwarf and dwarf mutants have been induced to guard against genetic vulnerability of high yielding rice varieties. Some of the fine-grain mutants with long-slender, short- grains and translucent endosperm have been analyzed for elucidating genetic basis of grain dimensions, endosperm texture, milling and cooking qualities. Rice lines introgressed with O. officinalis genes have been evaluated for resistance to WBPH insects and resistant lines identified using insect bioassays. In Vitro culture conditions have been optimized, for the first time, for plant regeneration from leaf and cotyledonary calli of Cajanus species. Likewise, in Castor, Jatropha and a mangrove species highly efficient in vitro propagation protocols have been developed from meristematic explants. In pigeon pea the best callus producing F1 Hybrid seedlings most often exhibited significant heterobeltiosis for seed yield. In Castor a short internode dwarf variety 411-JI-44 has been found to contain three major non-allelic dwarfing genes acting in an additive fashion. Analysis of Sorghum genotypes from world germplasm collection indicated involvement of two to three major non-allelic genes in conjunction with minor modifiers contribute to grain yield resistance. Reproducible protocols have been developed in Pearl millet, Finger millet and Castor plants for producing stress resistant/tolerant transgenic plants. Prof. Reddy had 35 years of teaching experience and guided 10 Postdoc RAs & pool officers, 14 Ph. Ds and 12 M. Scs, and published about 130 research papers in reputed Journals. He participated and presented papers in 40 National and International conferences.

**Awards and Honors:** Hyderabad Farmers Union awarded Gold medal (1963) Elected Fellow of the Indian Soc. Of Genetics and Plants Breeding (1989). Appointed as Expert Member of the UGC, New Delhi(1989, 1993 & 1994). “Staff Research Council” of ICAR-IOR (1994 to 1999). Life Member of the ISCA Kolkata (2005) and the Indian Soc. of Genetics and Plant Breeding, New Delhi (1978).






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Dr. Partha Sarathi Roy (**Roy**) is Deputy Director of National Remote Sensing Centre. He is also Mission Director of Earth Observation Application Mission Programme of Indian Space Research Organization. conceptualizing solutions for disaster management and investigative exploration of geospatial analysis & modeling.

**Academic and Research Achievements:** An initiative under NNRMS toward building National Natural Resource Repository (NRR). NRC aims at building up database on land use/ land cover, soil, land degradations, geomorphology, snow and glaciers and wetlands. Under this programme Land use/ Land cover of country has been mapped on 1:250K using IRS P6 AWiFS data. The main highlight of study is to provide net sown area of Kharif, Rabi and Zaid at the end of cropping season as against conventional method of compiling the information and providing them after two and half years. Chair sub-group on Land use/Land covers change and ecosystem dynamics of ISRO-GBP. The working is executing the research programs on Land use/ Land cover change, their drivers, and climate change and adaptation measures. Chairman ISRO-NNRMS Geospatial Data Standards committee for creating National Natural Resource Repository, ISRO initiative. Task Team leader National Natural Resource Management System in the field of Forestry and Environment to review two decade status of Remote Sensing and Geographic Information System applications and design future programmes in the area under Indian Space Research Organization (ISRO).

**Other Contributions:** National Natural Resource Census (NRC), of Department of Space, Govt. of India (GOI), National Database for Emergency Management (NDEM), Ministry of Home Affair (MHA) GOI, Disaster Management Support Programme, Ministry of Home Affairs, GOI, Biodiversity Characterization at Landscape Level, Department of Biotechnology, GOI, Rajiv Gandhi National Drinking Water Mission, Ministry of Rural Development, GOI, Accelerated Irrigation Benefit Programme, GOI, Integrated Resource Information for Desert Areas, and Wasteland Inventory Updation Mission, Ministry of Rural Development, GOI, National Digital Elevation Model from Cartosat, ISRO, GOI, Land use and land cover change in Indian River basins to understand Human dimensions of climate.

**Awards and Honours:** ISRO Merit award 2007 ISRO Team Excellence award 2007 Life Time Achievement Award for Geospatial Technology Usage 2007 ISRO Team Excellence award for ISRO Disaster Management Support Programme (2007). 2005 ISRO-ASI Award for Space Science and Applications by Astronautical Society of India 2005 Recognition Award of National Academy of Agricultural Sciences, New Delhi; for the Biennium for (2001-02) and B.P. Pal National Environmental Fellow Award(2006) Sri Hari Om Ashram Prerit Vikram Sarabhai Memorial Research Award (1993) Indian National Remote Sensing Award (1991).

	<b>Name:</b> Dr. Parthasarathy G. <b>Born:</b> 19-10- 1958 <b>FTAS:</b> TAS/2004 <b>Address:</b> Anannyya- T 121, 35th Cross, 14th Main, 4th T Bloc, Jayanagar, Bengaluru- Karnataka 560041 <b>Mobile:</b> 7893615248 <b>E-mail:</b> <a href="mailto:gpsarathy@ngri.res.in">gpsarathy@ngri.res.in</a> ; <a href="mailto:drg.parthasarathy@gmail.com">drg.parthasarathy@gmail.com</a> ;
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Doctoral Associate, Cornell University, Ithaca, USA( 1989-1990); Alexander von Humboldt Fellow Germany (1987-88). He joined NGRI as a CSIR fellow and Scientist in 1993.

**Academic and Research Achievements:** He has been working in the area of high pressure mineral physics, and Nanogeoscience research in India. Which include indigenously developed instruments coupled with modern spectroscopic tools, structural and thermodynamic Earth and Planetary materials led to the discovery of several rare minerals, like moganite, calumetite , geikielite, zemkorite, fullerenes, and ferrous saponite, such as mantle metasomatism beneath the Wajrakarur diamond bearing province, bolide-impact processes during the Cretaceous–Palaeogene boundary , and fluid rock interactions beneath the Deccan Trap, peak metamorphic P-T- conditions of the Gondwanaland , etc. He has been involved in studying the terrestrial analogues minerals relevant to the Lunar and Mars Science. He developed an innovative method of converting water soluble carcinogenic hexavalent chromium to water insoluble less toxic trivalent chromium by using naturally occurring ferrous saponite discovered by him in Deccan basalts. He has published 200 papers in peer-reviewed journals, and deep interior of the Earth.

**Other Contributions:** He has set up an experimental facility for measuring the electrical properties of solids at mantle pressures and Temperatures. The work on environmental mineralogy using ferrous saponite and synthesis of novel geikielite have been patented in India, USA, and France. Member, Lunar Exploration and Resources Utilization and Working Group (India) 2006 Member, The Science Advisory Board, USA , Initiated a New PLANEX-India group in face-book for disseminating science knowledge dealing with planetary sciences Senate member and Member- board of studies, AcSIR- Academy of Scientific and Innovative Research, CSIR, India.

**Awards and Honours:** Fellow of Indian National Science Academy (2012); Fellow of the Royal Society of Chemistry (2009); Fellow of the Geological Society of India (1994); Fellow of Indian Geophysical Union (2002); Fellow of Mineralogical Society of India (2004); Alexander von Humboldt Fellow (1987); Hari OM-PRL Award, PRL, Dept. of Space (2003); National Mineral Award- Ministry of Mines, Govt of India (2003); MRSI-Medal- Materials Society of India, (2007). AP Scientist Award- (2007); MR Srinivasa Rao award-Geological Society of India-(2008); Decennial Gold Medal Award of Indian Geophysical Union-2009; Editorial Member, Open Mineral Processing Journal, USA (2010): Member, Science Advisory Board, USA (2010); The Open Mineral Processing Journal; Editorial member, International Journal of Astronomy and Astrophysics (2011); Editorial Member , Open Journal of Geology, USA. (2011); Life Member, American Nano Society, Since (2011); Editorial Member, Advances in Geological and Geophysical Engineering, USA, (2013). Editor, Journal of Earthquake Science & Engineering, Indian Society of Earthquake science.- since 2013; Editorial Member, MAPAN, Journal of metrology society India, since 2013.; Editorial Member, "Journal of Advanced Research in Remote Sensing & GeoScience-since 2014. Editorial Member, Karbala International Journal of Modern Science, 2015. Council member- Indian Society of Geomatics, Space Application center 2015-18. Member, Deep Carbon Observatory, USA.




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M.Sc. Microbiology(K.U. 1994), Ph. D (K.U.1999). Post Doctoral fellow at GSF, Germany during 2000-02 and at CCMB, Hyderabad from 2004-09 in ISRO-& NCAOR projects. Currently working as Professor of Microbiology, Director IQAC, EC member, PU and TAS Mahabubnagar district coordinator. He has 22 years of research experience and 10 years of teaching experience.

**Academic and Research:** His main focus of research area is Microbial diversity of extreme habitats, Development of Biofertilizers – Sustainable Agriculture, Potable water - Public Health, Plastic degradation - Environment Protection and Exploration of industrially important enzymes through metagenomics approaches. Guided 2 students for their doctoral degrees and published 104 research papers in national and international journals, authored 3 books and 5 book chapters. Three International patents are got published. Delivered invited lectures in 7 International and 27 National conferences, attended more than 73 Seminars and organized 3 National Conferences. Successfully 3 major and 1 minor research projects funded by SERB, DST and UGC, TSSAM

**Awards and Honors:** Received DST Young Scientist Award (2010), UGC Research award (2013), Best Scientist award, MBN, Telangana State (2016) Nine Novel and potential bacteria were isolated from different habitats.. Uncultured novel extracellular lipase gene was identified and reported through metagenomics. life member of Association of American Society for Microbiology, Microbiologists of India, Indian Science Congress, Asian Plant Growth Promoting Rhizobacteria, International Society for Environmental Information Sciences and BOS member, Gulberga University, Telangana University and MVS autonomous college. Editorial member for International journals like RJAS, AJMBE, JFPP and Bioscience Discovery. Received commendation certificate for his services by the district Collector (2011) & SSA, RVM, (2013) and Guinness world record certificate holder (2010).


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BSc (Spl) & MSc from Andhra University and PhD (1971) under Prof. T R Seshadri from Delhi University. Dr. V Peesapati is a retired UGC Professor. He worked abroad (USA & UK) in different universities as a Senior Research Scientist for 14 years. Later he moved to India and served as Assistant Professor at BITS-Pilani for two years. He worked as UGC professor at O U & J N T Universities. After retirement, worked at NIPER-H in the medicinal chemistry department.

His main research interests are in organic synthesis and supervised 12 PhD students and published 85 research papers,

He is a Fellow of the Royal Society of Chemistry (FRSC) & CChem-London. Presently he is Hon. Secretary of the Royal Society of Chemistry (London) - India Deccan Local Section.

Royal Society of Chemistry -London bestowed on him **RSC-London “Inspirational Member Award” 2015**. Best Individual Award (2016): **“Science for the Masses”** given by CSIR-IICT and VIBHA, India,(2016). RSC-London **“Award for Service in Chemical Sciences”,** (2017).

	<p><b>Name:</b> Dr. PRABHAKAR S.</p> <p><b>Born:</b> 03-06-1968</p> <p><b>FTAS:</b> TAS/2016</p> <p><b>Address:</b> Centre for Mass Spectrometry, Analytical &amp; Structural Chemistry Department, CSIR-Indian Institute of Chemical Technology, Hyderabad- 500007.</p> <p><b>E-mail:</b> <a href="mailto:prabhakar@iict.res.in">prabhakar@iict.res.in</a>, prabhakar.iict@gov.in</p> <p><b>Mobile:</b> 91-9441070036</p>
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B.Sc. degree in chemistry and biology (1989) and M.Sc. degree in organic chemistry (1992) from Osmania University, Hyderabad, India. Ph.D. in the Chemistry (1997) on “Development of Mass Spectral techniques for stereochemical problems” in the area of organic mass spectrometry, worked at CSIR-IICT, Hyderabad. Joined as a Scientist at the National Centre for Mass Spectrometry, CSIR-Indian Institute of Chemical Technology, Hyderabad in 1998 and has been continuing research on the application of mass spectrometry in the area of organic chemistry and biology. Currently, working as a Senior Principal Scientist, at CSIR-IICT, Hyderabad. Post-doctoral experience: Research Scientist (2007–2009) at the Department of Chemistry, George Washington University, USA, and Research Associate (2001–2003) at Oxford Glycobiology Institute, University of Oxford, Oxford, UK.

#### Academic and Research Achievements:

Guided 8 Ph.D. students (currently 8 Ph.D. students working) and 10 M. Pharma/MSc dissertation students. Published research 145 research articles in the peer reviewed international journals. Current research interests are metabolite profiling of body fluids, shotgun metabolomics, targeted metabolomics, metabolite markers in CKD and diabetes, protein identification, chiral discrimination, isolation, characterization and quantification of small molecules in biological fluids, drug stability and pharmacokinetics, chemical warfare agents and their degradation products, in-situ identification of reaction intermediates.

#### Other Contributions:

Contributed to establishment a dedicated and NABL accredited laboratory for the analysis of chemicals related to chemical weapons convention n environmental samples.

#### Awards and Honors:

Recipient of 'Eminent Mass Spectrometrists' award by ISMAS in 2013; Fellow of the Telangana Academy of Science (2016); CSIR outstanding performance award (2004); IICT special appreciation award (2008); CSIR-IICT Gaurav Samman award (2012); CSIR-IICT special award for skill development team (2018); CSIR-IICT Highest external cash flow award-Technical services (2019). Member of editorial board for the Rapid Communications in Mass Spectrometry, Journal of Chemistry and Science Journal of Medicine. Certified NABL assessor and GLP inspector.



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M.Sc Chemistry (1990) and PhD in Organic Chemistry (HCU, 1996) As a “BOYSCAST” fellow (2007), she worked at Biocentrum, Denmark Technical University and developed novel cross-linked enzyme aggregates for the preparation of biodiesel. Joined IICT as Scientist-B in Oils & Fats Division in (1997) and initiated work on value addition to the by-products of vegetable oil processing industry.

**Academic and Research Achievements:** Her research is focused on development of synthetic aviation lubricants, enzymatic degumming technology for rice bran oil, value addition to the by-products of vegetable oil processing industry, vegetable oil based nutraceuticals, specialty oleochemicals, enzymatic modification of lipids for high value products, structured fats, biodiesel, bio-surfactants, total synthesis of bioactive lipids etc. Her most significant contribution is novel and recyclable glycerol-based carbon acid and base catalysts for the development of green process for the production of biodiesel from non-edible oils avoiding homogeneous acid and base catalysts. In addition, the solid acid catalyst was also employed for the development of several acid catalyzed methodologies as a replacement for sulfuric acid. She has executed more than 40 sponsored, grant-in-aid and technical consultancy projects as project leader and transferred six Technologies to about 45 different Industries.

**Other Contributions:** Published over 62 papers in peer-reviewed journals; filed 26 patents and delivered more than 10 Invited lectures guided 4 Ph. D students and 12 Project Assistants. Actively participated in CSIR-IICT Expo, Open days for showcasing CSIR-IICT technologies, conducted skill development programs in the area of lipid science & technology and scientific programs for inculcating scientific temper and inspiring school and college students to take up scientific research as their career.

**Awards and Honors:** Life Member of Oil Technologists’ Association of India (OTAI, SZ), Member of American Oil Chemists’ Society’s (AOCS). She is a recipient of First Industrial Green Chemistry Award (2009), CSIR Technology Prize (2005) and National Award (2009) from Technology Development Board of DST, Govt. of India for the Enzymatic degumming technology; International award of American Oil Chemists’ Society’s (AOCS) ACI/NBB Glycerine Innovation award-2013, IGCW-Green Chemistry Innovation award-2013 for the development of Glycerol-based carbon catalysts for green processes; CSIR-IICT Best Women Scientist Award (2009 & 2012); Dr. S.D. Tirumala Rao Memorial Award (2011), Dr. S. Hussaia Zaheer Memorial Award (2009), R.B.G.V. Swaika Memorial Award (2010, 2006 & 2005) of OTAI for outstanding contributions in the field of Oils, Fats & Allied Products.

	<b>Name:</b> Prof. Pradeepta K. Panda <b>Born:</b> 12-09-1971 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> School of Chemistry, University of Hyderabad, Hyderabad -046 <b>E-mail:</b> <a href="mailto:pradeepta.panda@uohyd.ac.in">pradeepta.panda@uohyd.ac.in</a> <b>Mobile:</b> 91-9951615333
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B. Sc. (Chemistry): Utkal University, 1990; M.Sc. (Chemistry): IIT, Kanpur, 1992; Ph. D. (Chemistry): IISc, Bangalore, 2002 on “Studies on Meso-substituted octamethoxyporphyrins”. Post Doctoral Fellow: Kangwon National University (South Korea), 2002-2005 and Kobe University, Japan, 2005-2006. Joined University of Hyderabad in 2007 as an Assistant Professor and since 2015 a Professor in the School of Chemistry, University of Hyderabad.


**Academic and Research Achievements:** Guided 9 Ph. D. students. Research interest in Porphyrinoid Chemistry and High Energy Materials. Made several key contributions towards development of fundamental understanding of porphycene, a synthetic isomer of naturally occurring porphyrin dye. These works are mostly related to their design, synthesis, photophysical properties and coordination chemistry. Developed several novel porphyrinoids as potential photosensitizers towards photodynamic treatment of cancer, near infrared (NIR) absorbing and emitting dyes as efficient biomarkers, sensors for anions and TNT. Developed new strategies towards synthesis of pyrrole based high energy materials.

**Other Contributions:** N-methyltetranitropyrrole has been prepared in few different ways, out of which patent applications for two routes have been filed through DRDO. Similarly, another patent application for nitratedpyrrole based energetic salts as efficient high energy materials has also been filed.

**Awards and Honors:** Recipient of CSIR scholarship (1994) and Japan Society for the Promotion of Science (JSPS) fellowship (2005).



	<b>Name: Dr. Prahalada Rama Rao</b>
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	Name: Prof. <b>Prakash Babu P.</b> Born: 27-09- 1963 FTAS: TAS/2008 Address: Dept. of Biotechnology, School of Life Sciences, University of Hyderabad, Hyderabad-500046 Mobile: <b>9441583525</b> Email: <a href="mailto:prakashbabuphanithi@gmail.com">prakashbabuphanithi@gmail.com</a>
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#### Academic and Research Achievements:

(1996 – 2000); Lecturer, Department of Zoology, S.V. University, Tirupati (A.P) (1992 - 1996); Research Fellow, School of Life Sciences, University of Hyderabad (1987 - 1992); Primary focus of my lab is neurodegeneration (apoptosis and necrosis) and I have been working in this area using neurological disease models in rats and mice. Further, my lab is also focusing on the neuroregeneration using stem cells. **1. Therapeutic potential of stem cells in stroke in rat model** Ischemic brain damage is a common feature after stroke and is responsible for the mortality or disability throughout the world. Ischemic brain damage involves apoptotic/ necrotic cell death that play an important role in the cascade of neurodegeneration over a period of time after onset of stroke. Therefore, the current research in my lab is directed to understand the molecular mechanisms involved in the cell death (apoptosis/necrosis) after cerebral ischemia in rat model. Further, my lab is concentrating on the possible neuro-regeneration after ischemic insult using autologous bone marrow stem cells. **2. Glioblastoma multiforme (Brain Tumors)** Gliomas are the devastating primary tumors of the central nervous system have poor prognosis and recur even after standard therapies. Among those, glioblastoma multiforme (GBM) is highly invasive and metastatic form. Currently we are working with surgically removed human glioma tissue samples and ENU induced transplacental Wistar rat model to understand altered molecular signaling. Our work is primarily focused on the molecular changes during tumor progression and metastasis. Furthermore, we reported recently on the role of Wnt pathway in glioma progression, by studying the levels of  $\beta$ -catenin, Lef-1, Tcf-4, cyclin-D1, n-myc, c-myc, c-jun. My lab is also focusing on the studies to prevent tumor progression using various inhibitors that can control cell proliferation and necrosis in gliomas

**Other Contributions:** Professor, Department of Biotechnology, University of Hyderabad (2006 – till date); Vice -President: Society for Neurochemistry, India (SNCI) ( 2012-2013); Secretary, Asia Pacific Society for Neurochemistry (APSN), Singapore, (2006-2010), Council member 2010-2014. General Secretary:SocietyforNeurochemistry,India(SNCI)(2006-2011)

#### Awards and Honours:

- UGC nominee for the Academic council of Cochin University of Science and Technology, Cochin (2010-2012)
- B.P.Pande memorial oration award, Indian Society for Parasitology, (2009), Fellow Indian Academy of Neurosciences, Lucknow (2008), Secretary, Asia Pacific Society for Neurochemistry (APSN), Singapore, (2006-2010), Council member (2010-2014), Biotechnology Overseas fellow: University of London, UK (2007), General Secretary : Society for Neurochemistry, India (SNCI)  
DST-DAAD Fellow :Univ of Heidelberg, Germany (2006-08), Tulsabai Somani Edu Trust Award: Indian Acad of Neuro (2002), STA-Fellow : Japan Science and Technology (1999-01), BOYSCAST-Fellow : Department of Science and Tech.(1998), Young Scientist Project Awardee: DST, New Delhi (1996),



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M. Tech Structural Dynamics (IIT, Roorkee); and PhD (IIT, Bombay). Pennsylvania State University, USA under BOYSCAST Fellowship. He holds International Executive Diploma in Projects and Program Management from the George Washington University USA. Scientist 'G', Head of Structures Department and Dy Technology Director, DRDL, Hyderabad. He is associated with IIT, Delhi, as an Visiting Professor. and contributed significantly to aerospace structures technologies related to airframe design, analysis and development.

**Academic and Research Achievements:** His work include on Non-linear structural dynamic behavior of rocket launch using finite element based modeling. His work on numerical simulation of tube-launched rockets using transient dynamics analysis for severe vibration environment formed the basis for futuristic aerospace systems structural design, which have relatively higher flight range. It also include design and analysis of airframe sections, support pads, air booster, metallic canister, engine casing and lifting surfaces with finite element stress and buckling analysis. Developed several optimum mass structural designs of rocket airframes. This contributions have led to successful analyses, designs and realizations of airframes of various important Projects of Nation.

**Other Contributions:** He is an Editorial Board member of Journal of Modeling and Simulation Guided several B Tech and M Tech project students.

**Awards and Honours:** Received Dr Biren Roy Space Science and Design Award (2014). In scientist of the year Award (2012) by DRDO. Received DRDO award for excellence (2007). DRDO Technology Group Award ( 2005). Gold medal in B.E. (1989) at SGSITS Indore (MP). Senior Member, American Institute of Aeronautics and astronautics. Member, American Society of Mechanical Engineers ; Fellow Aeronautical Society of India. Fellow, Institution of Engineers (India) ; Fellow, Indian Association of Structural Engineers. Life Member, Indian Science Congress Association, Calcutta ; Life Member Astronautical Society of India . Life Member Indian Society for Technical Education




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**Academic and Research Achievement:** Dr. P. Prakash is an alumnus of Osmania University, Hyderabad, Did Post Doctoral research in Plant Molecular System at Humboldt University, Germany. Served as Vice-Chancellor, Dr. B.R. Ambedkar Open University, Hyderabad, Pro-Vice-Chancellor, Indira Gandhi National Open University (IGNOU), New Delhi and also as Registrar of Maulana Azad National Urdu University (MANUU), Hyderabad. Before assuming the charge of Vice chancellor, SRM University Delhi-NCR, Sonapat, Haryana, was Additional Secretary, University Grants Commission, New Delhi. He is elected as Fellow of A.P. Academy of Sciences. Hyderabad and also a Founder Fellow of Telangana Academy of Sciences. Being native of Multilingual and Multicultural city of HYDERABAD, has passion to be midst of heterogeneous complexes for evolving appropriate strategies for betterment. While in UGC, contributed immensely for Tertiary Education, Planning, Policies and Coordination particularly in the context of maintenance of Quality Education. As a Member Secretary of UGC Curricula Committees, formulated subjects Curricula for many under graduate/ post graduate subjects. Formulated guidelines for e-content, learning object repositories and e-learning concept. Played a pivotal role in networking of varsities through NMEICT, National Knowledge Network apart from e-journal consortia. The mission oriented in facilitating commendable usage of ICT in multifaceted spheres of higher education. Was also instrumental in framing guidelines for Basic Science Research (BSR) programme and helped in generation of time series data for growth of science in tertiary education. Chaired Assessors Committees of Distance Education Council, NAAC assessment Committees for accreditation of Educational Institutions and many scientific and Academic seminars/conferences apart from being member of Board of Management/Governing Body/Research/Academic Council of few academic institutions Viz. IGNOU, New Delhi, Hyderabad Central University, Hyderabad, Dr. Rajendra Prasad Central, Agricultural University Pusa, Bihar. chaired many national/international Symposia/Conferences/Workshops. Published a number of scientific papers in peer referred National and International Journals and co-authored few of books. Led tertiary education delegation to USA, United Kingdom, Germany, Turkey, Singapore, Hong Kong, Malaysia, Sri Lanka, Seychelles, Dubai and Syria. Chaired few visiting committees of NAAC for assessment and accreditation of Academic Institutions.

**Other Contribution:** I have lived in Germany for two years for post doctoral research work. Led UGC delegation in PIHEAD Programme to Syria and Dubai and a delegation of UGC and CEC sponsored by Commonwealth of learning (Canada) to Malaysia and Singapore Institutes/Universities for Academic Interaction in e-content, learning object repositories and e-learning concepts. As Registrar, Maulana Azad National Urdu University (MANUU), Hyderabad visited Hongkong for augmenting the Media Centre with various Audio Video Gadgetry. Possess wide experiences with social systems prevailing in several parts of developed and developing world that enabled me to work in several cross cultural ambience. Participated and presented a paper on “Transforming Higher Education in South Asia”, Colombo, Sri Lanka sponsored by British Council and in EDUCON-2013 International Vice- Chancellors’ Summit on “Transformation for Excellence” in Istanbul, Turkey in 2013. Participated in Workshop on “Results-Framework Document (RFD) conducted by Cabinet Secretariat, Performance Management Division, Government of India, New Delhi.

**Awards and Honours:** Awardee of “Best Paper” in Indian Botanical Society. Life Time Achievement Award from The Educational Standard And Testing Council of India (Test-Coin) A division of the confederation of Indian Universities.


	<b>Name:</b> Dr. Prakasham R.S. <b>Born:</b> 29-08-1960 <b>FATS:</b> TAS/2005 <b>Address:</b> Sr. Principal Scientist, Engineering & Environmental Sciences IICT, Hyderabad – 500 007 <b>Mobile:</b> 9849102590 <b>E-mail:</b> <a href="mailto:prakashamr@gmail.com">prakashamr@gmail.com</a>
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MSc Botany, (Gulbarga University). Ph. D Biochemistry, (North-Eastern Hill University, Shillong), He joined in 1991, CCMB as a Research Associate and worked on development of Antisense RNA for the control of TMV. He joined RRL-Jorhat, Assam in 1991 as Scientist and contributed on Microbial Enhanced Oil Recovery. He moved to IICT, Hyderabad in 1995. He visited North-Wyke Rothamsted Institute, Okhampton, UK (2008-90) and visited Concordia University Montreal, Canada as NSERC fellow, Canada, (2012),

**Academic and Research Achievements:** Dr Prakasham has experience in basic and applied microbiology. His contributions microbial products/biocatalysts and biohydrogen, bio-mineralization, odour control using software programmes and different fermentation strategies are well documented in the form of research articles and patents. Ethanol production process using immobilized cells in specialized bioreactor is well received by industry. His studies on use of agromaterial as substrates for biofuels, heavy-metals removal from industrial wastes using biowaste is highly cited. His studies in development of specialized nanoparticles and their use for bio-transformations are appreciable. Studies on microbial health care products (xylitol, L-asparaginase, mutanase) are well documented.

**Other Contributions:** Dr Prakasham research emphasis is development of eco-friendly bioprocesses using different strategies like decoupling of biomass and bioproduction of enzymes, antibiotics, other metabolites and the importance of glucose to xylose ratio for effective biohydrogen and bioethanol production; heterologous expression of CYP102A5 variant and its importance in drug metabolism. In another sector, agricultural waste material as nutrient and support source for development of microbial biocatalysts such as for production of L-asparaginase serralyisin (a fibrinolytic enzyme), L-glutaminase xylanase Rifamycin B, Proteases alpha-glucans mutanase etc. Use of coconut fiber as highly aerated solid matrix for immobilization of microbial strains resulted in improving the product yield to 400% (rifamycin B). Palm fiber as a novel source of nutrient/substrate for production of xyliooligosaccharides was initiated and developed an enzymatic bioprocess for conversion of hemicellulosic portion of palm fiber for production of xyliooligosaccharides.

**Awards and Honours:** Recipient of Talented Industrial Biotechnology Award (2014) SPER Eminent Teacher Award (2015) Established Scientist Award for (2014) DBT Overseas Award, Life Time Health Achievement Award by International Gold Star Award, UGC NET fellowship award. IICT best performance (2001-02) and Gaurav Samman award (2006 & 2011). Board of Studies member for Biotechnology, Gulbarga University, and also Biotechnology, College of Technology, Osmania University, Hyderabad. He is also editorial members for CTBP.


	<b>Name:</b> Dr. PRAMOD H. BORSE <b>Born:</b> 26-11-1969 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> International advanced research center for Powder Metallurgy and new Materials (ARCI), Balapur PO, Hyderabad, Telangana -500005 <b>E-mail:</b> <a href="mailto:pborse@gmail.com">pborse@gmail.com</a> , pborse@physics.org <b>Mobile:</b> 91-9490447615
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**Dr. Pramod H. Borse** obtained **M.Sc.** (*Physics – Specialization Materials Science*) in 1992 and **Ph. D.** (Physics -Nano) both from Savitribai Phule Pune University (SPPU), in 2000. His doctoral thesis was on “Investigations of Mn, Fe, Ni and Pb doped ZnS nanoparticles”. Post PhD, he has worked as Lecturer in Physics at Department of Physics at SPPU. He has worked for more than eight years in POSTECH, South Korea on various positions from Post-Doctoral Fellow to Research Assistant Professor. Since 2008-2014, he worked at Scientist-E at ARCI, Hyderabad. Since 2014 has been working at Scientist-F at same DST, India institute.

**Academic and Research Achievements:** Guided 2 Ph. D. students, 2 pursuing and 24 M. Tech students, His research interest fall in Nanomaterials, Solar Photo-catalysis, Synchrotron induced material processing, Materials modelling by DFT and sensors for agriculture, environmental, space and medical applications. He devised the chemical methodology for luminescent nanoparticles synthesis during 1990s to generate luminescent nanoparticles in pure and metal doped formed. He has identified the scope of existence of "dopant site symmetry" and its effect on luminescent efficiency improvement. He has produced efficient photocatalyst and nanostructure electrodes of low cost for energy generation. He has developed various ferrite and 2D metal chalcogenide based materials systems. He has also developed a rapid nano-crystal ferrite methodology those useful for solar hydrogen production. In past he developed various nano-phosphors by simple chemical methodology consulted/ collaborated with American and Korean (Samsung) companies and Universities for producing ferrites as well as for making efficient Hydrogen energy technology and related visible active photocatalyst. Two Indian patents filed and 93 high impact factor SCI publications.

**Other Contributions:** He has been working to make technology for photocatalysts and module integrated sensors for feasible technology transfer.

**Awards and Honors:** Elected fellow of Maharashtra Academy of Sciences (MAS) and member of several international societies as IOP, APS, OSA. He is life-member of MRSI, IPA, SESI, EASI, etc. He has been an active reviewer of high impact journals of AIP, ACS, RSC etc. His WOS Citation is 3375 and h-index is 30 till Jan 2020.

	<b>Name:</b> Dr. Prantik Mandal <b>Born:</b> 02-02-1965 <b>Elected:</b> TAS/ 2018 <b>Address:</b> Flat No. 104, Raheja Vistas, Road No. 12, IDA NACHARAM, HYDERABAD-500076 E-mail: prantikmandal62@gmail.com <b>Mobile:</b> 91-7893286892
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M. Sc. (Tech.) (Applied Geophysics), Indian School of Mines, 1988. Ph. D. (Geophysics), Osmania University, Hyderabad, 1994 on "Stress Distributions Associated With Topography and Crustal Density Heterogeneities in some Regions of the Indian Lithosphere". Joined CSIR-NGRI, Hyderabad, as scientist-B in 1994 and grew up to the level of Chief Scientist in 2015.


**Academic and Research Achievements:** He has made significant contributions in the diverse field of Earthquake Seismology with a special emphasis on intraplate earthquakes. In his doctoral work, he has quantified through 3-D stress modelling of the role of variations in topography and density inhomogeneities in the genesis of intraplate earthquakes in Peninsular India. He delineated 1-D and 3-D velocity (P- and S-) structure of the Kachchh rift zone, Gujarat, India, using local earthquake velocity tomography, P-receiver function (P-RF) study, Surface wave group velocity dispersion (SWD) study and joint inversion of P-RFs and SWD data. He introduced the idea that CO<sub>2</sub> emanating from the carbonatite melts in the asthenosphere, plays a key role in triggering lower crustal earthquakes in the Kachchh rift zone. He has provided crust-mantle structure associated with Eastern Indian Craton, through passive source seismological imaging. He also detected a Pan-African suture in CGGT, based on SKS splitting parameters. He has 96 SCI publications with 1973 citations, six students have been awarded Ph.D. degree under his guidance. He has a h-index of 27 and an i-index of 58 to his credit. He has also published two books and two book chapters.

**Other Contributions:** His research work in the Koyna region led to the rupture nucleation model of moderate size reservoir triggered earthquakes where in the ruptures/foreshocks nucleate at top 3 km and propagate downward, leading to larger main-shocks at 8-10 km depth, which has been patented by USPTO.

**Awards and Honors:** He has received several accolades including National Mineral Award 2007 and CSIR YS award 2000 for his contributions in earthquake seismology with special focus on the understanding of seismogenesis of intraplate earthquakes occurring in India. He was awarded Raman Fellowship by CSIR in 2004, Senior DAAD fellowship in 2010 and INSA-JSPS fellowship in 2011.




	<b>Name: Dr. Pura Singh Sijwali</b>
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	<p><b>Name:</b> Dr. Purnachandra Rao N.</p> <p><b>Born:</b> 25-09- 196</p> <p><b>FTAS:</b> TAS/20</p> <p><b>Address:</b> Senior Principal Scientist National Geophysical Research Institute (NGRI), Uppal Road, Hyderabad – 500007</p> <p><b>Mobile:</b> 9866173494; <b>Off:</b> 040-27012760; <b>Res:</b> 040-27153494;</p> <p><b>E-mail:</b> <a href="mailto:pcrao.ngri@gmail.com">pcrao.ngri@gmail.com</a>;</p>
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**Academic and Research Achievements:** Made significant contributions in earthquake studies towards understanding the geodynamics of the Indian plate margins, particularly the Burma-Andaman arc, the Himalaya-Tibet region and the diffuse Indian Ocean deformation zone. Project Leader of the first phase of "Scientific deep drilling for earthquake studies in the Koyna-Warna region" a mega-project of the Ministry of Earth Sciences. We have successfully drilled 8 boreholes and installed borehole seismometers at depths of ~ 1.5 km to establish a unique borehole seismic network at such depths for precise monitoring of seismicity. New results obtained from drilling have indicated Deccan trap thickness of about 1 km on an average, with variation mostly confined to topography, which implies a fairly flat basement prior to Deccan volcanic eruption in this region. Further, airborne gravity-gradiometry survey, has been carried out for the first time in the country, in the Koyna-Warna region, which has provided a regional 3D model. Airborne Lidar survey has just been concluded which is expected to provide precise surface geomorphology of the region (Rao et al., 2013; Roy et al., 2013). Initiated broadband seismic waveform modeling and moment tensor inversion studies for the Indian regional / local broadband earthquake data Rao et al., (1999; 2002). In the Koyna region moment tensor inversion studies have provided accurate focal mechanism solutions. Additionally they have helped in precise delineation of focal depths (Shashidhar et al., 2011) towards identification of the most suitable zone for the scientific deep drilling planned for future. This apart, our work using JHD and double-difference methods has helped delineate the geometry of the fault zone in Koyna and Warna regions (Shashidhar et al., 2013, JOS).

**Other Contributions:** Principal Investigator from NGRI and played a major role in carrying out site response studies and 2D modeling of seismic ground motion, in the Jabalpur region for the first demonstrate how numerical modeling can be used to confirm results from the empirical approaches. Also initiated seismic ambient noise correlation studies in the country during my visit to the University of California, San Diego, USA, in 2009, as a Raman Research fellow. Studied the seismic source directionality in the Indian subcontinent and demonstrated that distribution of noise sources in the Indian subcontinent is anisotropic, predominantly towards the SW Indian Ocean Currently this technique is being widely applied for different parts of the country, including Koyna to decipher the detailed crustal structure

**Awards and Honours:** Doctor of Science (D.Sc.) from University of Tokyo • Alexander von Humboldt (AvH) fellow, Germany • Visiting Professor, Univ. of Tokyo, Japan • Professor, Academy of Scientific Innovative Research • Raman Research Fellow at University of California, USA • Recipient of the 'ONGC-AEG Best Ph.D. award', 1997 • Recipient of the JSPS doctoral fellowship of Japan, 1995 • Recipient of the KFA fellowship of Germany, 1991, Fellow of Geological Society of India • Fellow of Andhra Pradesh Akademi of Sciences • Member of the International Lithosphere Programme (ILP) Project • Member of Editorial Board, Journal of Asian Earth Sciences • Guest Editor, Special Issue, Journal of Seismology • Member of Department of Atomic Energy committee for Tsunami studies.

	<b>Name :</b> Prof. Purushotham Rao A. <b>Born :</b> 11-07-1945 <b>FTAS :</b> TAS/1999 <b>Address :</b> Professor of Zoology (Retd), Kakatiya University, Warangal, Former HOD & P.G.Prgram in Sericulture, Founder Head Cairman, BOS in Zoology & Sericulture, Dean, CDC & Registrar, KU., B/304, Shanthi Gradens Aptts, Raghavendra nagar, Nacharam, Hyderabad-500076 <b>Mobile :</b> 9849587775 <b>E-mail :</b> <a href="mailto:prof_aprao@yahoo.com">prof_aprao@yahoo.com</a>
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M.Sc. (OU, 1968), Ph.D.(OU, 1974), Zoology at Sardar Patel College, Secunderabad. Lecturer (OU, 1974) P.G Centre, Warangal which later became (KU, 1976).


#### **Academic & Research achievements:**

Have experience of Teaching -38 Yrs, Research-42 Yrs; M.Phil/Ph.Ds guided are 02 and 28 respectively. Worked on Insect neurotoxins in relation to Pesticide toxicity and the cause of insect poisoning. Subsequently worked on serotonin at NIEHS, Res. Triangle Park, NC., USA and on Cobalt back filling of Orthopod neurons at Deptt. of Entomology, Univ. California, Riverside campus, USA. Also visited USSR and Czecho Slovakia to study insect cardiac physiology. During the past 30 yrs, extensive studies were carried out on site and mode of action of various groups of insecticides and phytochemicals. Pesticide interactions, joint effects, degradation in soil/water were investigated. By establishing Sericulture deptt., both Mulberry & Tasar Silkworms were studied at molecular level and silk fibre analysis using SEM. Published 82 full length papers in Natl. & International journals. About 7 major and 2 minor projects funded by UGC/CSIR/DST/DRDA/IRDP etc., were completed from K.U., Participated and presented papers at the International seminars in Warsawa, Poland & Washington D.C.

**Other Contributions:** As the Convener of APAS Warangal Regional Center (2001-2005), mobilized for endowment talks in the 4 north Telangana districts each college contributing Rs.25000/-. Through a separate deptt., of Sericulture, apart from extensive research work on mulberry and non-mulberry silkworm, regular farmer interaction programs, seminars, workshop and exhibitions were organized to popularize mulberry cultivation, silkworm rearing, cocoon production, silk reeling etc., The Central Silk Board, State Sericulture deptt, IRDA & DRDA have collaborated.

#### **Awards & Honours:**

1. Junior Research Fellowship of CSIR (1968-71) 2. Soviet Govt., Scholarship under Indo-Soviet Exchange Program (1978-79) 3. UNESCO-WHO fellowship (1979-80) 4. Senior FULBRIGHT SCHOLARSHIP (1986) 5. UN-FAO Grants for work at Deptt. of Entomology, University of California, Riverside. CA., USA (1987). 6. State Best Teacher Award, A.P., (2004). Life Member of 1) A.P. Akademi of Sciences (TSAS) 2) Indian Society of Comp. Animal Physiology 3) Entomolgy Society of India 4) Fellow, Zoological Society of India (FZSI) 5) Member, Society of Toxicologists, USA., 6) Member, Program Advisory Group for Pesticides, DST., New Delhi (1984-85). 7) Member, Academic Senate, Kakatiya University (1982-85).


	<p><b>Name:</b> Dr. PURUSHOTHAM Y.</p> <p><b>Born:</b> 08-09-1969,</p> <p><b>FTAS:</b> TAS/2016</p> <p><b>Address:</b> Centre for Materials for Electronics Technology (C-MET), IDA Phase-IV, HCL (PO), Cherlapally, Hyderabad – 500 051; H. No. 12-11-966, Warasiguda, Secunderabad – 500 061.</p> <p><b>E-mail:</b> <a href="mailto:ypurushotham@cmet.gov.in">ypurushotham@cmet.gov.in</a>, <a href="mailto:yadoji.purushotham@gmail.com">yadoji.purushotham@gmail.com</a>,</p> <p><b>Mobile:</b> 9490324812, Tel (040) 27265587, 27267006.</p>
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M.Sc. (Physics) from Kakatiya University, Warangal in 1991 and Ph.D. (Physics) from Osmania University, Hyderabad in 1996 on “Influence of monovalent and divalent additions on magnetic, electrical and elastic behaviour of Sr Zn-W hexagonal ferrites”. He worked for two years (1996-98) as CSIR-Research Associate on advanced magnetic materials. In 1998, he joined Centre for Materials for Electronics Technology as a Scientist and involved in application oriented research and development programs on Electronic Materials that find applications in the Electronics Industry. During 2002-03, he was awarded BOYSCAST Fellowship of DST, Govt. of India and worked as adjunct scientist at The Pennsylvania State University, USA.

**Academic and Research Achievements:** Dr. Purushotham contributed in the development of Tantalum metal powder from Indian Tantalite ore for capacitor applications. Tantalum metal powder quality improvement by automation of Sodium reduction system and supply of 25 kg Tantalum powder as per user specifications using automated sodium reduction system. Technology transfer of structural grade Tantalum powder and demonstration of sodium reduction experiments at 3 Kg batch size to M/s Anabond Limited, Chennai. Development of Kroll’s reduction process for the preparation of Hafnium metal powder for space applications. Establishment of Hafnium sponge plant. Automation of Hafnium process plant, establishment of Kroll’s reduction facility for extended pilot scale (320 Kg/yr) preparation of Hafnium metal. Preparation of 35 Kg Hafnium reduced mass and 15 Kg Hafnium metal sponge. Demonstration of Kroll’s reduction process to VSSC QC Team. He is also contributed in establishment of 2.0 KW high temperature microwave sintering furnace and made suitable for sintering of refractory metal powders and ceramic materials. Microwave sintering of Ni-Zn ferrites, refractory metal and alloy powders and properties characterization. Established Induction Zone Refining facility, purified scrap Germanium to 7N Germanium, supplied 5 Kg to SSPL, Delhi and Developed 7N Zinc for detector applications, converted in to <3mm diameter granules, supplied 1 Kg to IGCAR, Kalpakkam.

**Other Contributions:** Purushotham also involved in synthesis of ZnO, ZnS nanomaterials, Ni-Zn nano ferrites by different methods, properties characterization and comparative studies. He is a Convener, Materials Research Society of India Hyderabad Chapter; Honorary Treasurer, Indian Institute of Metals, Hyderabad Chapter (2012-14, 2018-2020). He is a Founder Member of Society for Advancement of Solid State Sciences, Department of Physics, Osmania University, Hyderabad.

**Awards and Honours:** He received Young Researcher Award for best paper presentation during the 4<sup>th</sup> IUMRS International Conference in Asia, OVTA, Makuhari, Chiba, Japan, September 16-18, 1997. His biography published in “Who’s Who in Science and Engineering”, “Who’s Who in the World” publications of M/s Marquis Who’s Who (USA). Associate Fellow of Andhra Pradesh Akademi of Sciences (2004). He served as Member, BOS in Physics at Chaitanya PG College (Autonomous), Hanamkonda, Department of Physics, Kakatiya University, Warangal and Member, BOS in Nanoscience at Department of Physics, Osmania University, Hyderabad. He is a reviewer for two International Journals

	<p> <b>Name:</b> Dr. Radha V.  <b>Born:</b> 01-11-1958  <b>FTAS:</b> TAS/2011  <b>Address</b> Chief Scientist, (C.C.M.B.), Uppal Road,  Hyderabad – 500 007,  <b>Telephone:</b> 040-27192619 / 27160222  <b>Email:</b> <a href="mailto:vradha@ccmb.res.in">vradha@ccmb.res.in</a> </p>
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B.Sc. (Kerala University, 1978), M.Sc. Human Genetics and Physical Anthropology, (Andhra University, 1980), P.G. German Language, Andhra University, (1979), Ph.D. Genetic & Biochemical Studies in Peptic Ulcer, Institute of Genetics, (1985), Working as Senior Analyst, (1986-88), Nizams Institute of Medical Sciences, Hyderabad. Human Genetics, Gastroenterology. Present Scientist (1988-at C.C.M.B., Hyderabad. Cell Biology.

**Honors and awards:** Merit Scholarship (CBSE-1975). National Science Talent Fellowship (NCERT 1975). INSERM fellowship, France, (1991). Fellowship of the Italian Association for Cancer Research, (1994). UGC visiting fellowship, (2004). Elected Member, Guha Research Conference. Secretary, Indian Society of Cell Biology (2013-2015) and Vice-President, Indian Society of Cell Biology (2015-2017)

**His Research Interests are:** Understanding regulation of cell fate and cellular functions dependent on cytoskeletal dynamics and Understanding cell death regulation and disease association

**Number of scientific publications:** Published 52 Research papers in peer reviewed journals 7 book chapters, delivered 35 Invited talks.

**Teaching responsibilities:** 9 Ph. D Faculty of Cell Biology course for Ph D students

**Reviewer:** of project proposals and manuscripts

**Membership of professional societies & bodies:**

1) Executive committee member of Indian Society of Cell Biology, 2) Member, SBCI, 3) Member, Institutional Biosafety committee, Dano vaccines pvt. Ltd. 4) Member, Board of Studies, Institute of Genetics, Hyderabad. 5) Member, Board of Studies, Andhra University, Waltair


**Organized 5 Scientific meetings.**

	<b>Name</b>	:	<b>Dr. Radha Krishna P.,</b>
	<b>Born</b>	:	19-06-1959
	<b>FTAS</b>	:	TAS/2012
	<b>Address</b>	:	Senior Principal Scientist, D-211, Discovery Lab, Organic & Biomolecular Chemistry Division, Indian Institute of Chemical Technology, Hyderabad-500 007
	<b>Mobile</b>	:	<b>9848555242; Off: 27193158; Res: 24113518;</b>
	<b>E-mail</b>	:	<a href="mailto:radhakrispal@rediffmail.com">radhakrispal@rediffmail.com</a>

**Academic and Research Achievements:** Dr. Palakodety Radha Krishna, Obtained M.Sc from Osmania University in 1983 and later joined Dr A V Rama Rao at the National Chemical Laboratory for his Ph. D program. He obtained Ph. D in 1989 on The Total Synthesis of Some Biologically Active Compounds from Pune University. Later, he has Post-doctoral stints at the N D Zelinsky Institute of Organic Chemistry Under Prof. N K Kochetkov, wherein. he worked on the 'Design and Synthesis of Carbohydrate based Synthetic Vaccines' project and published 4 publications. Later he worked with Prof. David G I Kingston at the Virginia Polytechnic Institute and State University, Blacksburg, The US on the 'Synthesis of Fluorescently Labeled Epothilone and Baccatin Derivatives. He joined as Junior Scientist at the Indian Institute of Chemical Technology in 1992 and rose to the present position of Senior Principal Scientist. He was a Brain Pool Fellow (2005), visited and worked in POSTECH, South Korea with Prof. Mahn Joo-Kim on Dynamic Kinetic Resolution, Visiting Scientist at the Shandong University, China (2006); Visiting Professor at the University of Rennes1 (2009, 2011) and Visiting Professor at the LMU, Munich (2009).

**Other Contributions:** His research interests includes diastereoselective Baylis-Hilman reaction and its application in organic synthesis, isonitrile based multicomponent reactions (IMCR), target-oriented synthesis of bio-active natural products and development of new synthetic methodologies using TosMIC and EDA (ethyl diazoacetate). As a senior colleague, he guided 37 students and in the last few years he has 27 Ph.Ds to his credit. He has 176 research publications, 14 International Patents, 4 review articles and 3 Book-Chapters to his credit. Dr Palakodety Radha Krishna's innovative and persistent efforts gave a new dimension to Baylis-Hillman reaction particularly the asymmetric version of it. He introduced novel chiral aldehydes as electrophiles in Baylis-Hillman reaction; brought in the concept of '**double asymmetric induction**' as a strategic tool for achieving higher stereoselectivities; introduced intra-molecular BH-reaction that resulted in reversing the stereoselectivities with high diastereomeric ratios (>97%). Furthermore, small molecule catalysis is deftly demonstrated in enantioselective Baylis-Hillman reaction. He ingeniously developed newer uses of TosMIC and EDA (ethyl diazoacetate) reagents for generating diverse scaffolds/building blocks. Total syntheses of several bioactive natural products were accomplished by his group. He played a major role in consolidating the bilateral collaborations with Universite of Rennes 1, Rennes, France; RMIT University, Melbourne, Australia and LMU, München, Germany. He has contributed immensely to the in house Drug Discovery Program. His collaborative work on Drug Discovery resulted in **IICT-TA67** (PDE4/ICAM-1 inhibitor) with excellent bio-assay profile. This molecule is presently under clinical trials now. His collaborators/clientele both from domestic and overseas include: (a) CytoMed/Leukosite, USA; (b) Givaudan, Switzerland; (c) Glaxo SmithKline, UK; (d) ArQule, USA; (e) Ranbaxy, India that has seen interesting chemistry developing and earned substantial revenues for CSIR-IICT.

**Awards and Honors:** Best Innovator Award from M/S CYTOMED Inc. USA; Fellow of Royal Society of Chemists; Fellow of Andhra Pradesh Academy of Sciences.

	<p> <b>Name:</b> Prof. RADHAKRISHNAN T. P.  <b>Born:</b> 25-05-1960  <b>Elected:</b> TAS/ 2010  <b>Address:</b> School of Chemistry, University of Hyderabad, Hyderabad – 500046  <b>Telephone:</b> Off: 040-23134827; Res: 040-29802989  <b>Email:</b> <a href="mailto:tpr@uohyd.ac.in">tpr@uohyd.ac.in</a> </p>
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B. Sc. - Calicut University, Kerala (1980); M.Sc. - Indian Institute of Technology, Madras (1982); M.A. - Princeton University, Princeton (1984); Ph.D. - Princeton University, Princeton (1987); Post-doctoral fellow - University of Texas at El Paso, El Paso (1987); Scientist - Indian Institute of Technology, Madras (1988); Lecturer - University of Hyderabad, Hyderabad (1989-1993); Reader - University of Hyderabad, Hyderabad (1993-2001); Professor - University of Hyderabad, Hyderabad (2001- 2019); Senior Professor (2019 -).

**Academic and Research Achievements:** Prof. Radhakrishnan has been working in the area of materials chemistry, with the primary focus on molecular and nanomaterials. His research group has been developing new materials and novel concepts in the field of molecular crystals, nanocrystals and thin films, Langmuir-Blodgett films and phenomena at the air-water interface and polymer-metal nanocomposites. The contributions from his group include the development of (i) fundamental structure-property correlations through the synthesis of new molecular nonlinear optical materials, (ii) a new class of molecular materials exhibiting enhanced fluorescence emission in the solid state, (iii) insights into the optical responses of molecular nanocrystals, (iv) a new avenue in the realm of molecular materials with the synthesis of functional phase change materials, (v) a polyelectrolyte templating methodology for the assembly of molecular ultrathin films at the air-water interface, and (vi) an in situ technique for the fabrication of polymer-metal/semiconductor nanocomposite thin films and their application in areas such as catalysis, sensing and nonlinear optics.

**Other Contributions:** Teaching physical and materials chemistry courses at the postgraduate level since 1989.

**Awards and Honours:** Young Associate of the Indian Academy of Sciences, Bangalore (1990 - '95); Indian National Science Academy Young Scientist Medal (1992); Fellow of the Institute for Advanced Studies, Hebrew University of Jerusalem (2006 - ); Swarnajayanti Fellowship of the Department of Science and Technology (1998 - '03); Bronze Medal of the Chemical Research Society of India (2002); Fellow of the Indian Academy of Sciences (2004 - ); Ramanna Fellowship of the Department of Science and Technology (2008 – '11); Fellow of the Indian National Science Academy (2009 - ); Fellow of the Andhra Pradesh Akademi of Sciences (2010 - ); J. C. Bose National Fellowship (2011 - '16); Silver Medal of the Chemical Research Society of India (2012); Fellow of the National Academy of Sciences (2012 - ); Academician of the Asia Pacific Academy of Materials (2013 -); Associate Editor, Journal of Chemical Sciences (Indian Academy of Sciences, Bengaluru) (2015 -).




	<p><b>Name:</b> Dr. Radha, R.</p> <p><b>Born:</b> 15-06-1966</p> <p><b>Elected:</b> TAS/2018</p> <p><b>Address:</b> School of Mathematics &amp; Statistics University of Hyderabad, Hyderabad -500046</p> <p><b>E-mail:</b> repakar@yahoo.com</p> <p><b>Mobile:</b> 91-9177529350</p>
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M.Sc. Mathematics, (University of Hyderabad, 1988). M.Phil. Applied Mathematics, (University of Hyderabad, 1990). Ph. D. Applied Mathematics, (Indian Institute of Technology Bombay, 1994). CSIR Research Associate, 1994-1995. Joined as a Lecturer at Visvesvaraya National Institute of Technology, Nagpur (1995- 2004). Joined University of Hyderabad in July 2004 as a Reader, and since 2010 a Professor in School of Mathematics and Statistics.

**Academic and Research Achievements:** Guided 1 Ph. D. and 5 Integrated M.Sc. students for final year projects. Research interest lies in Quasilinear Hyperbolic Waves. Published 20 papers in reputed journals which are the best in her research area. Discussed weak solutions and their interaction with Shocks in gasdynamic waves.

**Other Contributions:** Member of the Local Organizing Committee of International Conference of Women Mathematicians (ICWM 2010), UoH, held prior to ICM 2010 in August, 2010, a member of the Local Organizing Committee of the Advanced Instructional School on Mechanics, supported by N.B.H.M. and conducted at Department of Mathematics and Statistics at University of Hyderabad during December 5-24, 2011, a member of the Organizing Committee of the Workshop on Recent Trends in Partial Differential Equations and Applications" held during March 18-19, 2012 at Department of Mathematics and Statistics, University of Hyderabad, a Coordinator of the workshop on Partial Differential Equations and Mechanics under the Advanced Training in Mathematics Schools Programme which was organized at Jaypee University of Information Technology, Waknaghat, Himachal Pradesh during June 3-15, 2013, a member of the Local Organizing Committee of 'Indian Women and Mathematics (IWM) Annual Conference 2016 held at University of Hyderabad during 29 June-1st July, 2016. Was a Coordinator of the Workshop on Differential Equations under the Advanced Instructional School which was organized at University of Hyderabad in 2018. Gave invited talks in several colleges and universities. Presently the deputy Co-ordinator of UGC SAP, DSA-I.

**Awards and Honors:** Secured CSIR J.R.F. & S.R.F. (1988-93). Secured BOYSCAST fellowship (1999-2000) sponsored by DST, India.


	<p><b>Name:</b> Dr. Ragahvan K.V.</p> <p><b>DOB:</b> 01-10-1943</p> <p><b>FTSA:</b> TAS-1997</p> <p><b>Address:</b> IICT, Uppal Road, Hyderabad, Gate B35, Flat 401, Krishnasree Residency, Lane B, DD Colony, Hyderabad-500 013</p>
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Dr. K.V. Raghavan is a Fellow of the National Academy of Engineering, Indian Institute of Chemical Engineers (IICChE) and A.P. Academy of Sciences and a Distinguished Fellow of University of Grants Commission (UGC). He did his B. Tech from Osmania University in 1964; M.S. and Ph. D from the Indian Institute of Technology (IIT), Madras. He joined CSIR service in 1964 and worked in three national laboratories. He was appointed as the Director of Central Leather Research Institute (CLRI), Chennai in 1994. He took over the Directorship of Indian Institute of Chemical Technology, Hyderabad in 1996. On successful completion of this tenure, he was appointed as the Chairman of Recruitment of India in May 2004. Dr. Raghavan has taken up INAE Distinguished Professorship in October 2008 at IICT, Hyderabad.

**Academic and Research Achievements:** Chemical process development and design reaction engineering, simulation and modeling and chemical hazard analysis are his areas of specialization. His basic research contribution cover simulation of complex reactions in fixed bed reactors, hydrodynamics of multiphase reaction systems, envirocatalysis for clean processing, zeolite catalysis for macromolecules, thermochemistry and kinetics of charge transfer polymerization and modeling of chemical accidents. His current research activities are in process intensification of water gas shift reaction, catalytic CO<sub>2</sub> decomposition, analysis of CO<sub>2</sub> capture technologies and characterization of the reactivity of ionic liquids. He published more than 150 papers, filed 45 patents and edited 5 books. His applied research efforts, covering a time span of over four decades contributed to the successful development of more than 25 chemical processes with high industrial impact in bulk organics, specialties, oil field chemicals and fluoroorganics.

**Other Contributions:** He made significant contribution to the technological up gradation of leather, agrochemical and drugs/pharma sectors. Dr. Raghavan is currently the Member of Atomic Energy Regulatory Board and the Director of Heavy Water Board ( Govt. of India). Mumbai, Godavari Bio refineries Ltd., (Mumbai) and Suven Life Sciences (Hyderabad). He served as Honorary Professor at Anna University and Indiana Institute of Technology (Kharagpur) and ad member of the Research Council of GAIL, IOC (R&D), NCL (Pune), RRL (Bhubaneswar), CFRI (Dhanbad) and CPPRI (Saharanpur). He was the member of Scientific Advisory Committee of the Ministries of Petroleum and Natural Gas and Health of Government of India. He was represented on the high level committees of Govt. of A.P on natural gas utilization and establishment of pharma research ad development fund. Currently, he has the Vice President (Academy and International Corporation) of India National Academy of Engineering (INAE) AND Working President of the Federation of Asian Biotechnology Association (FABA).

**Awards and Honors:** Dr. Raghavan is the recipient of the Hindustan Lever Award of the Most Outstanding Chemical Engineer, NRDS Invention Promotion Award. Pilot Officer D V Ranga Reddy Gold Medal, JN Sinha Roy Memorial and Chem Tech Foundation Awards, Nayudamma Gold Medal of AP Akademy of Sciences (2010) and Institute of Engineers Award of Outstanding Chemical Engineering (2010). He received the Life Time Achievement Award of the Catalysis Society of India in 2013.


	<b>Name:</b> Dr. Raghavendra Reddy V. <b>Born:</b> 15-04-1971 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> UGC-DAE Consortium for Scientific Research (UGC-DAE CSR) University Campus, Khandwa Road, Indore – 452 001 (MP) <b>E-mail:</b> <a href="mailto:vrreddy@csr.res.in">vrreddy@csr.res.in</a> ; <a href="mailto:varimalla@yahoo.com">varimalla@yahoo.com</a> <b>Mobile:</b> 91-9425410641
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M. Sc (Physics), Osmania University (1993). Ph.D (Physics), Osmania University (Mössbauer effect of  $^{57}\text{Fe}$  in CMR materials and Development of digital coherent detection techniques for stochastic signals) under the supervision of Prof. K. Rama Reddy, 2002. Joined as Scientist-D at UGC-DAE CSR, Indore in 2002 and presently working as Scientist-G at UGC-DAE CSR, Indore ([www.csr.res.in](http://www.csr.res.in)). An active researcher working in the area of experimental condensed matter physics. Native of Shabad (Village), Itikyal (Mandal), Jogulamba Gadwal District, TELANGANA

**Academic and Research Achievements:** Guided 05 Ph.D. students and presently 05 are working for Ph.D. Delivered about 32 invited talks at various national / international conferences and has 157 publications to his credit in high impact journals such as Physical Review B, Applied Physics Letters, Journal of Applied Physics (AIP), Journal of Condensed Matter Physics (IOP) etc. In-house and collaborative research work of Dr. Reddy is highly downloaded, highly cited, appeared as cover page, featured article / research highlights of Institute of Physics (IOP), American Institute of Physics (AIP) journals. Involved in setting up various high quality experimental facilities such as low temperature high magnetic field (LTHM) Mössbauer spectroscopy, magneto-optical Kerr effect (MOKE), high resolution x-ray diffraction (HRXRD) and ferroelectric loop tracer at UGC-DAE CSR, Indore. These experimental facilities are extensively used for in-house research activity and also by University researchers of the country towards the fulfillment of the mandate of the UGC-DAE CSR, Indore. Some of these experimental facilities such as LTHM Mössbauer spectroscopy measurements are unique in the country. The development of LTHM Mössbauer facility at CSR, Indore has enabled the researchers of the country to do the Mössbauer measurements under the application of high magnetic fields, which could not have been possible otherwise. Using this system, scientific issues / materials such as spin canting in magnetic nano-particles, multiferroic materials, high temperature Fe based superconductors etc., are being explored, which resulted in impact making research publications / output.

**Other Contributions:** Dr. Reddy also guides / helps various university research students of the country, whoever visits the UGC-DAE CSR, Indore in completing their experiments, data analysis etc., in his area of research expertise which ultimately paves the way for completing their Ph.D thesis.

**Awards and Honors:** Osmania University 5<sup>th</sup> Rank in M. Sc (Physics) year 1993 and recipient of JRF/SRF from UGC.

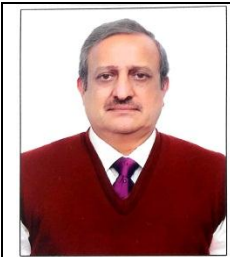
	<p> <b>Name:</b> Dr. Raghavendra A.S  <b>Born:</b> 17-11-1950,  <b>FTAS:</b> TAS/1998  <b>Address:</b> Professor, School of Life Sciences, Dept. of Plant Sciences, University of Hyderabad, Hyderabad -500 046.  <b>Mobile:</b> 098491 07190  <b>E-mail:</b> as_raghavendra@yahoo.com, asrsl@uohyd.ernet.in </p>
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BSc (1969), MSc (1971) and PhD (1975), all from Sri Venkateswara University. Availing the Humboldt Foundation Fellowship, he worked with leading plant physiologists/biochemists in Germany, including Professors U Heber, HW Heldt, P Westhoff and R Scheibe. He also collaborated with scientists from Japan, France, Germany and UK for extended periods. He started his career as Scientist at Central Plantation Crops Research Institute (ICAR), Vittal in 1974; worked as Assistant Professor, Botany Department, Sri Venkateswara (SV) University, Tirupati (1976-82); Deputy Director and Head, Plant Physiology Division, Rubber Research Institute, Kottayam (1982-85); and Associate Professor (1985), Professor (1996), Department of Plant Sciences, and Dean, School of Life Sciences (2004), all at University of Hyderabad.

**Academic & Research Achievements:** Raghavendra contributed significantly towards discovery of several  $C_4$  plants,  $C_3$ - $C_4$  intermediates; regulation of  $C_4$ -phosphoenolpyruvate essentiality of mitochondrial respiration for optimizing photosynthesis and mitochondrial enrichment in bundle sheath cells as the basis of reduced photorespiration in  $C_3$ - $C_4$  intermediates. After the initial work on the characterization of  $C_4$  photosynthesis, his work extended into the mechanisms of stomatal function. Some of his techniques of isolating active mesophyll protoplasts from pea and monitoring pH in plant cells proved to be very popular and innovative. He has published more than 200 research papers, and authored a number of reviews and book chapters, besides a highly referred book on Photosynthesis.

**Other Contributions:** Raghavendra established an active research group to study photosynthetic carbon assimilation initially at SV University, Tirupati and later at the University of Hyderabad. He is on the Editorial Board of the journal *Photosynthesis Research* and the multi-volume series on *Advance in Photosynthesis and Respiration*, both published by Springer, Germany. He was Editor-in-Chief of *Journal of Plant Biology*, for several years.

**Awards and Honours:** Professor Raghavendra won several awards; notably Young Scientist Medal by INSA (1977), Young Scientist Award (1976) by AP Academy of Sciences, Career Award by UGC (1986), Recognition Award by National Academy of Agricultural Sciences (NAAS), New Delhi (2003-2004), AP Scientist of the Year (2005), Dr K Ramaiah Memorial Award by NAAS (2005-06) and Professor TS Sadasivan Lecture Award by INSA (2006). He was elected Fellow of the Indian National Science Academy (INSA), New Delhi; National Academy of Sciences (India), Allahabad; Indian Academy of Sciences, Bangalore; NAAS, AP Academy of Sciences and the TWAS - Academy of Sciences for the Developing World.

	<p>Name: <b>Prof. Raghuram Rao A.</b></p> <p>Born: 15-06-1960</p> <p>FTAS: TAS/2010</p> <p>Address: National Institute of Pharmaceutical Education and Research(NIPER), Sector 67, SAS Nagar Punjab-160062</p> <p>Mobile: 8790432456</p> <p>Email: <a href="mailto:director@niper.ac.in">director@niper.ac.in</a>, <a href="mailto:rrakkinepally@niper.ac.in">rrakkinepally@niper.ac.in</a>.</p>
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PROF. Raghuram Rao Akkinepally is an eminent name in the field of Pharmaceuticals. He is presently holding the post of the Director of National Institute of Pharmaceutical Education and Research (NIPER), SAS Nagar, Punjab, an autonomous body set by the act of Parliament under the aegis of Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers.

Originally hailing from Telangana State, Dr Rao has been proactive in his parent university from where he did his B Pharm. and PhD i.e. Kakatiya University, Warangal, Telangana. He has been Chairman, Board of Studies in Pharmacy, Kakatiya University from 2015-2017 and of Satavahana University, Karimnagar from 2013-2015. He was the Director, Consultancy Cell, Kakatiya University during 2002-2006 and Principal & Head, University College of Pharmaceutical Sciences from 2002-2004.

He is also the Visiting Professor in the University of Minnesota, Minneapolis, and University of California, USA. He has been Visiting Scientist (DST-DAAD project), University of Bonn, Germany in the year 2002 and 2005. He has also been the Head, Department of Pharmacy College of Health Sciences, Ministry of Health (MoH), Kingdom of Saudi Arabia during 1999-2001 and has held the post of Director, Central Animal House, Panjab University, Chandigarh, between 2010 & 2011.

Dr. Rao has vast professional experience of 32 odd years of teaching in India and abroad, out of which, his experience as Professor alone stands out to be 12 years. He has successfully guided 18 PhD and 45 M. Pharm. students. His sheer dedication towards his students earned him the 'Best Teacher Award' from Govt. of Telangana State in 2016.

He has thirty plus years of experience in research. His research highlights include Computer Aided Drug Design- Aromatase examination; synthesized several NCEs for testing against asthma; worked on Aza flavones for targeting breast cancer and is currently working on Anti tubercular and antineoplastic agents. He has 4 patents to his credit while another one has been filed. He has successfully transferred two technologies and has number of publications printed including 68 Journals (Research) 13 (Reviews) and not to forget his two Books. He has been conferred upon Dr. Mrs. Manjushree Pal Memorial Best Pharmaceutical Scientist award from Association of Pharmacy Teachers of India in 2010.

He has been member of many National academic and professional bodies some of which include being a Member, Scientific Committee, at the 67th IPC-Mysore and 68th IPC-Visakhapatnam in 2015 & 2016 respectively. He was Co-chairman, of Scientific Committee of 66th IPC Hyderabad (2014) and Chairman, AICTE- Team, NAAC-Accreditation Committee, IFTM –University, Moradabad, Uttar Pradesh. He has been AICTE Expert, CII-AICTE Award for Industry-Institution Cooperation (year 2012 & 2013). In 2010 he was Co-convenor, UGC Networking Centre, UGC, New Delhi and UGC- Expert, Commonwealth Award Committee, UGC, New Delhi in 2009, 2008.



**Name: Dr. RAI S. N.**

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M. Sc (Geophysics) and Ph.D. (Geophysics) degrees in 1975 and 1986, respectively from Banaras Hindu University, Varanasi, India. Since January 29, 1977, he was with CSIR-National Geophysical Research Institute, Hyderabad till his superannuation on 30<sup>th</sup> June 2014 as Chief Scientist. He was Hon. Visiting Fellow at Department of Earth Sciences of the Indian Institute of Technology, Roorkee from July 2014 to June 2016.

**Academic and Research Achievements:** His research interest lies in the development of predictive mathematical models to describe dynamic behavior of water table in response to time varying recharge and/or pumping which are useful for sustainable development and management of groundwater resources. He has carried out geophysical surveys for delineation, development and management of groundwater resources in parts of draught prone Vidarbha and Marathwada regions of Deccan traps. His research findings have helped many farmers in meeting their water supply demands. He has developed geothermal models to address crustal thermo-mechanical structures of Cambay basin, Narmada Son lineament and Godavari graben. His basic and applied research findings have long lasting bearing on exploration and management of groundwater in India and rest of the world as well.

**Other Contributions:** He was DAAD Fellow at Hanover University during 1982-84 and Visiting Scientist at Federal Institute for Geosciences and Natural Resources at Hannover, Germany in 1994. He organized many national/international seminars on groundwater which include a session on “Water Science” of **94<sup>th</sup> Indian Science Congress** held during Jan. 3-7, 2007 and **Joint International Convention of 8<sup>th</sup> Scientific Assembly of International Association of Hydrological Sciences and 37<sup>th</sup> congress of International Association of Hydrogeologists**, held at Hyderabad in 2009. He was **Associate Editor** of “Hydrogeology Journal” during 2008- 2011. He has published more than 70 research papers , 24 chapters, two books (ed.) and four seminar proceedings.

**Awards and Honors:** Dr Rai is awarded National Hydrology Award, National Geosciences Award, and NGRI-AHI Indian National Hydrology Lecture Award (2015-16). He was Vice-President of **International Association of Hydrogeologists** from 2004 to 2012 and was President of Indian Chapter of IAH (2012-13). He is Fellow of A.P. Academy of Sciences, Indian Geophysical Union, Indian Association of Hydrologists, Indian Water Resources Society and Founding Fellow of Telangana Academy of Sciences and Association of Global Groundwater Scientists.





**Name :** Dr. Rajeev Kumar Varshney  
**Born :** 13 July 1973,  
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**Contacts:** 040 30713305, Fax: 040 30713074


MSc Botany (Aligarh Muslim University), PhD (CCS University, Meerut). Joined ICRISAT (2013 – to date) and Director - Center of Excellence in Genomics, (January 2012 – to date). He is also Winthrop Research Professor at The University of Western Australia and Adjunct Professor at West Africa Centre for Crop Improvement, University of Ghana. served CGIAR Generation Challenge Program based in Mexico as Theme Leader for six years. He worked at Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany for five years.

**Academic and Research Achievements:** Contribution in genome sequencing of pigeonpea, chickpea, peanut, pearl millet, sesame, mung bean and azuki bean and development of first generation of molecular breeding products in chickpea and groundnut. Developed large-scale genomic resources like molecular markers, transcriptome assemblies, high density genetic maps and QTLs for a range of traits in legumes. 300 publications in peer reviewed journals of. edited 10 books with leading international publishers and Special Issues for several journals. He is a invited speaker G-8 Conference on “Open Data for Agriculture” and FAO conference on “Application of Biotechnologies in Developing Countries”, Nature Genetics conference on Agricultural Genomics and brainstorming session on digital agriculture chaired by Mr Bill Gates.

**Other Contributions:** Member, Research Advisory Council for Tea Board of India; and Central Sericultural Research & Training Institute, Silk Board of India. Member, Research Advisory Committee for Central Research Institute for Jute and Allied Fibres, ICAR; Member, Advisory Board, International School of Hyderabad; Member of Research Committee, Farm Research Committee, Emergency Management Team and Chair, Plant Material Identification Committee (2013 onwards) of ICRISAT; Served Agricultural Scientists Recruitment Board (ASRB) of Ministry of Agriculture as Subject Specialist, Organizer and Coordinator for International Chickpea Genetics and Genomics Consortium; International Initiative for Pigeonpea Genomics and Coordinating Committee Member, International Peanut Genome Project, USA;

**Awards And Honors:** Fellow of Crop Science Society of America (CSSA); Fellow of Indian National Science Academy (INSA); The National Academy of Sciences, India (NASI); National Academy of Agricultural Sciences, India (NAAS); Associate ship (Associate Fellow) of NAAS-India; Highly Cited Researcher by Thomson Reuters; Young Crop Scientist Award of Crop Science Society of America (CSSA); NASI-Scopus Young Scientist Award-(2010) INSA-Young Scientist Medal- 2008 NASI-Young Scientist Platinum Jubilee Award-(2007) Genomics, Molecular Genetics & Biotechnology Division of Crop Science Society of America; International Advisor, Shandong Peanut Research Institute, China; Honorary Professor at BGI-Hongkong Research Institute, China; Visiting Professor in Guangzhou Academy of Agricultural Sciences, China.



	<p><b>Name:</b> Dr. Rajender Reddy, K.</p> <p><b>Born:</b> 20-12-1965</p> <p><b>FTAS:</b> TAS/2015</p> <p><b>Address:</b> Principal Scientist, CSIR-IICT, Hyderabad-500 007</p> <p><b>Telephone:</b> 040-27193952</p> <p><b>E-mail :</b> <a href="mailto:rajender.iict@gov.in">rajender.iict@gov.in</a>, <a href="mailto:rajenderkallu@gmail.com">rajenderkallu@gmail.com</a></p> <p><b>Mobile:</b> 9848290611</p>
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MSc-Chemistry (HCU), PhD-Chemistry (HCU): Doctoral work on development of higher valent manganese complexes as Photosystem-II model studies. Postdoctoral trainings at Department of Chemistry and Radioisotopes, Nuclear Technology Institute, Portugal and Department of Chemistry, National Taiwan University, Taipei, Taiwan during the period 1996-2001, where he worked on rhenium and late-transition metal chemistry using polypyrozolyl borate ligands and phosphine-imine bidentate ligands. Joined Indian Institute of Chemical Technology (CSIR-IICT) in 2001 and since then working on developing transition metal mediated homogeneous catalysts for organic transformations.

**Academic and Research Achievements:** Catalysis enables the construction of important chemical bonds under mild conditions and in ways not possible using non-catalytic reactions. Dr. Reddy's research program is interested in developing metal and metal free (organo) catalysts in chemo, regio and stereoselective organic transformations. This is accomplished in three ways: a) through mechanistic studies of important catalytic reactions, b) through utilization of catalysts in organic transformations and c) through synthesis of new catalysts. The purpose for engaging in these studies is to improve the state of knowledge of the field of homogeneous catalysis. In the last 17yrs, his group has done important contributions in functional group transformations using iodide as well as copper and iron metal catalysts. Present focus is on C-H bond activations and synthesis of heterocycles.

**Other Contributions:** Published over 70 research papers in peer-reviewed journals and guided 8 PhD students. Actively involved in various scientific programs initiated by CSIR-IICT, in motivating the school and college students to take up scientific research as their career.

**Awards and Honors:** Raman Research Fellow for the year 2011-2012 and visiting fellow at Institute of Chemistry, Karl-Franzens University Graz, Austria. Fellow of Telangana Academy of Sciences-2015. Life member of Catalysis Society of India. Member of American Chemical Society



**RAJENDRA PRASAD, B.,**

Born:

Elected:

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**Academic and Research Achievements:**

**Other Contributions:**

**Awards and Honours:** Decennial Award of the IGU-2007; Society of Exploration Geophysicists, (SEG)  
Member 2006 United States, Indian Geophysical Union Fellow 1991

	<b>Name:</b> Prof. Rajeswara Reddy B. <b>Born:</b> August, 1955 <b>FTAS:</b> TAS/2015 <b>Address:</b> H. No: 12-13-79, Street No: 4, Tarnaka, Hyderabad. 17 <b>E-mail:</b> <a href="mailto:brajeswarareddy@yahoo.co.in">brajeswarareddy@yahoo.co.in</a> , <b>Mobile:</b> 9391017201
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M. Sc Chemistry (OU, 1979), Ph. D Chemistry (OU, 1986). Joined Osmania University as Assistant Professor in the Department of Applied Geochemistry, in 1988 and attained Superannuation in 2015, as Technical Officer in Geological Survey of India.(1986-1988). Presently working as Registrar, NIPER, Hyderabad, Department of Pharmaceuticals, Govt. of India.

**Research:** 32 years of Research and 29 years of Teaching experience. Nine students awarded Ph.Ds under his guidance. Published 44 Research papers in the National and International Journals apart from 52 research papers presented in National and International Conferences Executed 5 Research Projects funded by UGC, DST and State Governments. He served as Head and Chairman, Board of studies in the Department.

Worked as Chief Warden, Hostels & Messes, Director, Directorate of Admissions, Coordinator, Common SET Examinations conducted by erstwhile A.P. State Council of Higher Education, Govt. A.P. and Coordinator for UGC- NET Examinations for Osmania University Region. Served as Board Member, Pollution Control Board, A.P. Member Secretary, Telangana and A.P. State Eligibility Test, Govt. of Telangana. He also acted as advisor, APSET, Andhra University, Visakhapatnam and Moderation Committee Member for Karnataka State Eligibility Test, Mysore University during 2015- 2017.

He acted as Coordinator for NIPER-JEE conducted by NIPER, Hyderabad during 2016 and then served as Consultant, ACSIR and AAU, CSIR-IICT, Hyderabad during 2016-17.

	<b>Name:</b> Dr. Ch. Raji Reddy
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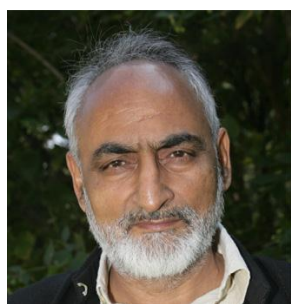
	<p><b>Name</b> : Dr. RAJU K.V.S.N.,</p> <p><b>Born</b>: 01-08-1955</p> <p><b>FTAS</b>: TAS/2012</p> <p><b>Address</b>: Head, Polymers &amp; Functional Materials Division, Indian Institute of Chemical Technology (IICT), Uppal Road, Hyderabad-500007</p> <p><b>Mobile</b> : 9440647075</p> <p><b>E-mail</b>: <a href="mailto:drkvsnraju@gmail.com">drkvsnraju@gmail.com</a>;</p>
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M.Sc. Physical Chemistry (gold medal) (OU), Ph.D. OU. worked in IICT ,Hyderabad until 31<sup>st</sup> July 2015. .Visited Forschungsgesellschaft für Pigmente und Lacke.V. Stuttgart under CSIR-DAAD Exchange Program and also visited USA, UK and Nepal.

**Academic and Research Achievements:** Dr. Raju involved on the development of polymeric materials for the coating, adhesives, composites and allied fields for different applications, Utilization of polymeric & industrial waste, Renewable Resource based polymeric materials, modification of filler and application of nanotechnology for coating and allied field. His developed Alkyd, Uralkyd, Polyurethane, Acrylics, Polyesters, Styrene-Acrylics emulsions, Polyurethane dispersions, Interpenetrating Polymer Networks (IPNs), Hybrids, Hyperbranched Polymers etc. Synthesis and structural modifications of polymers to add new functionality and make it eco-friendly. Incorporation of beta ketoester group in the polymer backbone to reduce the viscosity, in situ sol gel process for development of hybrid, hybrid diol, Michael addition, and click chemistry etc has been used for the development of polymeric and hybrid functional binders. The above mentioned materials/concepts has been used to develop eco-friendly high/super solids, water dispersible coatings, scratch resistant, super hydrophobic/hydrophilic, antibacterial, corrosion resistant, insulating, abrasion resistant, soldier resistant, coating and materials. He has used innovative chemistry to modify the castor, linseed, safflower, soybean oils etc and cashew nut shell liquid. The DCO, polyurethane and foam technology based on this has been transferred to different industries. Our efforts on the synthesis and structural modifications of hyperbranched polymers has resulted in polymeric/hybrid materials with interesting functional characteristics such as antimicrobial, scratch resistance, adhesion, hydrophobicity and optical transparency. The transparent and scratch resistant materials based on hybrid diol concept have shown the exceptional performance for application on optical lenses. focus of my group is on to utilize the hyperbranched polymers to develop multifunctional materials, application of functional modification and nanotechnological principle to develop smart/intelligent coatings and utilization of novel concepts to design and develop solar paints for solar energy harvesting and functional coatings for improvement in efficiency and durability of solar cells. Another important contribution is renewable based click chemistry navel material for functional polymers, functionalization of various nanomaterials like CNT, carbon nanobeads, carbon nanodots, additive free coatings etc.

**Other Contributions:** Published over 170 research articles and four book chapters and edited one book. He has transferred more than 50 technologies to various industries. guided 10 Ph.Ds. and more than 50 M. Tech/M. Sc dissertations.

**Awards and Honours:** Recipient of Technical Excellence in Coatings- Akzo-Noble Excellence Award for Coating Research & Promotion, NACE International Gateway India Section Corrosion Awareness Award, OTAI-Nerulla Award, Indian Paint Association Award. He is recipient of Narayan Rao Puraskar Gold Medal in M.Sc. He is a Editorial Board member of Progress in Organic Coatings and Journal of Lipid Science & Technology.




**Name:** Dr. Rakesh Kumar Mishra,  
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**Address:** Director, CCMB, Uppal Road, Hyderabad. 500007  
House No. 2-17-3/E, Dharmapuri Colony, Uppal,  
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**Mobile:** 9441902188  
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Ph.D. Organic Chemistry, (Allahabad University, 1986). He started his carrier in biology by studying non-B DNA conformations and DNA topology at Molecular Biophysics Unit of the Indian Institute of Science, Bangalore, and initiation of transcription at the Centre for Cellular and Molecular Biology, Hyderabad, (2005). He used this expertise to extend application of oligonucleotides against protozoan parasites and for knock out of small nucleolar RNAs in *Xenopus* oocytes to study the role of such RNAs. He then became interested in chromatin organization and decided to take a genetic approach using homeotic gene complex of *Drosophilamelanogaster* at the University of Geneva. His current research interests are: how genetic information is stored and used in living systems using fruit fly and zebrafish and how the genetic material, DNA, is packaged in the nucleus of the cells to facilitate epigenetic regulation for different cell types of an organism to utilize genomic DNA in distinct manner.

**Academic and Research Achievements:** Studied role of chromatin organization in regulation of genes and the epigenetic mechanisms involved in this process. Which revealed the chromatin mediated establishment and maintenance of epigenetic mechanisms. In particular his work has contributed to an understanding how specific Polycomb group proteins are recruited to established epigenetic cellular memory. analyzed non-coding regions of the human genome. It also received that several repeats are involved in chromatin-mediated higher order regulatory mechanisms and organization of the genome.

**Other Contributions:** His work has demonstrated that the chromatin-mediated mechanisms are conserved from flies to mammals and that chromatin elements from vertebrates can be functionally assayed in *Drosophila*. Someof his significant contributions are: Discovery of ultra conserved DNA sequences present in vertebrates near developmentally regulated genes; Function of simple sequence repeats as chromatin domain boundaries that define structurally and functionally independent domains of genome; Development of tools to predict boundary elements at genome wide scale; Determination of the molecular constituents of Nuclear Matrix in *Drosophila* that paves the way to understand how genome is accommodated with in the nuclear architecture and its regulatory consequences. His finding that number of novel features emerged early during evolution in the common vertebrate ancestor and have been conserved as well as further extended all the way up to mammals, not only reveals new meaning in the genome sequences, it also point to the evolutionary logic of the evolution of complexity and diversity of life forms.

**Awards and Honors:** Fellow of Indian National Science Academy, Indian Academy of Science, National Academy of Sciences, India. He was awarded the J C Bose Fellowship by the Department of Science and Technology (DST), Govt. of India.

	<b>Name:</b> Dr. Ram Mohan, M. <b>Born:</b> 05-06- 1972 <b>FTSA:</b> TAS/2017 <b>Address:</b> Principal Scientist, CSIR-NGRI, Hyderabad-500 007 <b>Mobile:</b> 9247262470 <b>E-mail:</b> <a href="mailto:rammohan@ngri.res.in">rammohan@ngri.res.in</a> , <a href="mailto:rammohan111@gmail.com">rammohan111@gmail.com</a>
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MSc-Applied Geochemistry (OU), PhD-Geology(OU):Post-doctoral research at Department of Earth Sciences, Laurentian University, Sudbury, Canada (2007-08) and at German Research Centre for Geosciences (GFZ), Potsdam, Germany (2015). Joined NGRI,as Scientist-B in 1998, and actively involved in various research projects related to Archean crustal growth and Gold metallogeny.

**Academic and Research Achievements:**His research interests are focused to understand the Archean crustal growth processes, and to trace the potential genetic link(s) between the magmatism and gold metallogeny. For this purpose, he relies mainly on field geology and petrological studies, in conjunction with geochemistry, geochronology and radiogenic isotopes. Based on the geochemical and radiogenic isotopic systematics across a cross-section in eastern Dharwar Craton (EDC) on the felsic magmatic rocks, Dr. Ram Mohan has provided clear evidence for the crustal recycling in EDC, and additional constraints to configure the eastward subduction polarity.Integrated field, petrological, geochemical, geochronological and isotopic studies on different rocks of Sittampundi Anorthosite Complex (SAC) by him lead to propose the existence of suprasubduction related Neoarchean magmatism and early Proterozoic metamorphic overprint in this part of Southern Granulite Terrain (SGT). Through integrated studies in collaboration with Chinese and Japanese counterparts, evidence for the existence of widely exposed Mesoarchean crust in the Coorg block of SGT was documented, along with the identification of Hadean crustal inputs. These results have immense bearing in understanding the Archean crustal growth and the Supercontinent cycles.In a non-traditional approach, he has evaluated the fluid mobile elemental systematics (Li, B, Be and As) for the TTG suite of rocks from different cratons of the world to test the efficacy of these elements in fingerprinting Archean tectonic processes. Through this study, he could successfully differentiate the petrogenetic processes that are the artifacts of variations in P-T conditions in a progressive subduction column. The studies on gold mineralization in collaboration with colleagues provided the possible genetic link between the granitic magmatism and gold metallogeny, and sequencing the regional magmatic/ metamorphic/ deformational events in Dharwar Craton.

**Other Contributions:**Published 35 research papers in peer-reviewed journals.

**Awards and Honors:**Recipient of Krishnan Medal (2012), CSIR-Raman Research Fellowship (2015), DST-BOYSCAST Post-Doctoral Fellowship 2007. Fellow of the Geological Society of India, Bangalore, Indian Geophysical Union, Hyderabad and Indian Society of Applied Geochemists, Hyderabad.



	<p> <b>Name:</b> Dr. Rama Krishna M.  <b>Born:</b> 27-06-1946  <b>TSA:</b> TAS/2007  <b>Address:</b> Scientist G(retd.), (IICT), 1-2-55/A, Kakateeya Nagar  Habsiguda, Hyderabad, 500007  <b>Mobile:</b> +919949973562  <b>email:</b> <a href="mailto:machirajurk@gmail.com">machirajurk@gmail.com</a> </p>
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Ph. D. in Chemical Engineering ( IIT-Kanpur), Joined as Scientist at IICT, Hyderabad (1980-2006),  
Professor at BVRIT (2006-2014)

Areas of specialisation: Modelling, Simulation and Optimisation of Chemical Processes, Chemical Process Development and Design, Reaction Engineering, Thermodynamics and Fluid Phase Equilibria, Membrane Separations, Biotechnology. Published 50 Papers in international and national journals. Ten papers presented at seminars and symposia and Seven Technical reports and notes

3. Ph. D. Students. 9. M. Tech degree dissertations and 22. Undergraduate Students


	Name	:	Rama Rao, A.V.
	Born	:	02-04-1935
	FTAS	:	TAS/1986
	Address	:	(Former Director IICT), #54, Sai Enclave, Habsiguda, Hyderabad –007
	Mobile	:	9848135163; Off:; Res: 040-27173360
	E-mail	:	<a href="mailto:ramarao@avralab.com">ramarao@avralab.com</a> ;

Alla Venkata Rama Rao received BSc (Chemistry) from Andhra University, BSc (Technology) (1960) in Pharmaceuticals and Fine Chemicals from Bombay University, and PhD (Technology) (1964) while working at National Chemical Laboratory (NCL), Pune under the supervision of K Venkataraman. He spent two years as postdoctoral fellow with EJ Corey at Harvard University and worked on the total synthesis of maytansine, an antitumor macrolide. He was awarded the DSc (Chemistry) from Bombay University in 1987. Rama Rao joined NCL as scientist B and rose to the position of Scientist F and head of the organic chemistry division in 1980. He moved from NCL to the Regional Research Laboratory, Hyderabad as its Director in 1985 and subsequently renamed it as Indian Institute of Chemical Technology (IICT). Under his leadership, IICT emerged as CSIR's most reputed Institute. His contributions to transform IICT into "The most improved laboratory in India" were recognized by Sir John Madox (Editor, Nature, December, 1993). He was visiting Scientist at Imperial College of Science and Technology, London where he worked with DHR Barton. After his retirement as Director IICT, he established AVRA Laboratories Pvt Ltd and became a scientist entrepreneur.

**Academic and Research Achievements:** During the early part of his stay at NCL, Rama Rao worked on the isolation and structural elucidation of plant and insect pigments, and on synthetic dyes. After his return from Harvard University, his researches were marked by some amazing achievements in the synthesis of biologically active natural products such as antitumor antibiotics, macrolide, immunosuppressants, cyclic peptides, etc. representing complexity, diversity and aesthetics of modern asymmetric synthesis. Rama Rao published more than 260 Research papers and mentored 109 Ph D students in organic synthesis.

**Other Contributions:** Rama Rao has served on several National and International policy making organizations, such as World Health Organization and Ozone Cell of United Nations Environmental Protection Agency. His outstanding contributions in industrial research helped the Indian drug industry not only to establish a strong base for indigenous production of several essential drugs at much cheaper price but also led to exports.

**Awards and Honours:** Dr Rama Rao was conferred Padma Shree (1991), Technology Award by the Academy of Sciences for the Developing World (TWAS) (1994), K G Naik Gold Medal (1982), VASVIK Award (1984), UDCT Distinguished Alumni and UDCT Diamond Award (1994), CSIR Technology Award (1993), CSIR Business Prize (1994) and Asiatic Society Medal (1992), Chemical Research Society Gold Medal (2006), Indian Science Congress Presidential Gold Medal (2007), Institute of Chemical Technology Platinum Award (2009). He was elected Fellow of the Indian Academy of Sciences, Bangalore, National Academy of Sciences (India), Allahabad and TWAS (1995). Life Time Achievement Award(2014), Indian Chemical Council Award; G.P. Godrej Life Time Achievement Award, CSIR Diamond Jubilee Technology Award, Acharya Prafulla Chandra Ray Award, Yellapragada Subbarao Foundation Award, Presidential Gold Medal, Nayudamma Gold Medal.


	<p><b>Name:</b> Dr. Rama Rao K. S.</p> <p><b>Born:</b> 03-14-1958</p> <p><b>FTSA:</b> TSA/2016</p> <p><b>Address:</b> Ex-Scientist-F &amp; Head, Catalysis and Fine Chemicals Division, CSIR-IICT, Hyderabad-500 007</p> <p><b>Residential Address:</b> Dr. K. S. Rama Rao, Flat No. 8, Madhusree Apartments, Street No. 1, Vaninagar, Malkajgiri, Hyderabad-500047</p> <p><b>Telephone:</b> 040-27061231</p> <p><b>E-mail:</b> <a href="mailto:ksramaraoiict@yahoo.com">ksramaraoiict@yahoo.com</a>, <a href="mailto:ksramaraoiict@gmail.com">ksramaraoiict@gmail.com</a>;</p> <p><b>Mobile:</b> 9948202509, 7013766960</p>
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MSc-Chemistry (University of Hyderabad), PhD-Chemistry (OU): doctoral work on preparation and characterization of supported chromia catalysts. Visited USSR (Moscow & Novosibirsk) for 6 months during 1989-1990 under Integrated Long Term Program between India & USSR, UK for 3 months, 15 days and 10 days respectively, under Indo-UK collaborative programmes and Italy for one week to attend an International conference on CO<sub>2</sub> sequestration.

**Academic and Research Achievements:** Worked nearly for 40 years at CSIR-IICT at various levels. His research is focused on heterogeneous catalysis, particularly on metal and metal oxide catalysts. Expertise gained in the preparation of various types catalysts by different preparation methodologies, characterization of catalysts by various sophisticated techniques and evaluation of catalysts for different reactions in both vapor phase and batch conditions. Notable examples include low temperature and low-pressure ammonia synthesis over ruthenium based catalysts, hydrogenation, dehydrogenation, oxidation, CFC transformations and condensation reactions. Coupling of two different reactions, one *via* hydrogenation and the other *via* dehydrogenation on a single catalyst is one of the finest example of his caliber. Expertise gained on the application of silver catalysts for drinking water purification by deactivation microorganism and development adsorbents for defluoridation of ground water. Worked on different sponsored projects like furfural hydrogenation to get furfuryl alcohol, ethylbenzene dehydrogenation with carbon dioxide as soft oxidant to get styrene, hydrodearomatization of LAB raffinate to get a product with low amount of aromatics, HFC-34a project and Methanol/ dimethyl ether synthesis from syn-gas over hybrid catalysts.

**Other Contributions:** Published over 140 research papers in peer-reviewed journals, 20 patents and guided 20 PhD students. Guest Editor for one of the special issues of Journal of Chemical Science & Indian Journal of Chemistry respectively. Co-Author for one of the Book chapters. Guest faculty at JNTU, Hyderabad for more than 10 years to teach M.Sc students and faculty at AcSIR to teach Ph.D students on catalysis related subjects. Delivered invited lectures at various Universities and Seminars and symposia. Acted as reviewer for various peer reviewed journal manuscripts of Elsevier, ACS, RSC etc..


**Awards and Honors:** Recipient of Brain Pool Fellow in 1998 and 2008 to work in South Korea for 1 year and 6 months respectively. Several of his students were awarded best oral / poster presentation awards at National symposia. Life member of Catalysis Society of India, Materials Research Society of India, Indian Science Congress Association, Chemical Research Society of India, Indian Society of Analytical Scientists (ISAS), Society for preservation of Environment and Quality of Life (SPEQL), Association of British Scholars (ABS) and Eurasian Academy of Environmental Sciences (EAES)

	<p> <b>Name:</b> Prof. Ramachandra Reddy, A.  <b>Born:</b> 15-06-1952  <b>FTAS:</b> TAS/2007  <b>Address:</b> Vice-Chancellor, Yogi Vemana University, Kadapa 560 005, Andhra Pradesh.  A-1503, Aparna Sarovar, Nallagandla, Hyderabad 500 046.  <b>Mobile:</b> 08562-225411; 98858 43003  <b>E-mail:</b> <a href="mailto:attipalli.reddy@gmail.com">attipalli.reddy@gmail.com</a>, <a href="mailto:arrsl@uohyd.ernet.in">arrsl@uohyd.ernet.in</a> </p>
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Master's Degree in Botany from Sri Venkateswara University, Tirupati. He received PhD from Sri Venkateswara University for his research on "Photosynthetic carbon assimilation in C4 and CAM plants". He was a post-doctoral fellow at University of Hyderabad; Scientist, Department of Genetics, Osmania University, Hyderabad; UGC Research Scientist-A at Sri Venkateswara University, Tirupati; He joined Pondicherry University as the founder faculty in the Department of Biological Sciences (1988-2004) and later joined the University of Hyderabad (2004 to date). He was DBT-overseas Research Associate at the Mississippi State University (1992-1993); Visiting Scientist for six summer months (1998- 2003) at the Johns Hopkins University, Baltimore, MD, USA.


**Academic and Research Achievements:** Professor Attipalli Ramachandra Reddy has made significant research contributions to the area of photosynthesis and its relationship to biomass yields. In recent years, he extended his research to photosynthetic acclimation to elevated CO<sub>2</sub>. His first incursion in to photosynthesis was later to lead to regulation of enzymes of carbon assimilation and biomass production in higher plants. He combined his interests in establishing the role of photosynthetic energy and carbon flow for the biosynthesis of isopentenyl pyrophosphate in a rubber yielding shrub, Guayule. He unequivocally demonstrated the autonomy of guayule chloroplasts to synthesize the precursors for rubber formation. For the first time, he demonstrated that the guayule chloroplasts were autonomous for the biosynthesis of IDP which was also dependent on photosynthetic energy and carbon flow. His further work elucidated the role of fructose 2,6-bisphosphate as a signal metabolite controlling the starch and sucrose biosynthesis in leaves of higher plants under limited environmental plant growth conditions. Of late, he has been actively involved in understanding the role of global climate change on photosynthetic productivity in tree species, with particular reference to elevated CO<sub>2</sub> atmosphere. His most recent studies dissect out the CO<sub>2</sub> fertilization effects on photosynthetic gas exchange characteristics, responses of photosynthetic enzymes consorted with overall plant growth performance in selected fast growing tree species. His findings clearly demonstrate that certain fast growing tree species including *Gmelina*, *Jatropha* and Mulberry are highly suitable for agroforestry projects for efficient long term carbon sequestration and to mitigate elevated CO<sub>2</sub> levels in the near unprecedented global climate change.

**Awards and Honours:** He is recipient of Young Scientist Award from AP Akademi of Sciences; ISCA-Prof. Hiralal Chakravarthy Award in Botany; Biotechnology Overseas Associateship Award; Honor Society of Agriculture Award, Mississippi State University, USA; Visiting Scientist at Mississippi State University and Johns Hopkins University, Baltimore USA; Fellow of A.P. Akademi of Sciences; Fellow of National Academy of Sciences.

	<p><b>Name:</b> Dr. Ramachandra Reddy G .</p> <p><b>Born:</b> 04-05-1953</p> <p><b>FTSA:</b> TAS/2017</p> <p><b>Address:</b> Vice Chancellor Sharda University, 32-34 Knowledge Park – III, Greater Noida (NCR, Delhi) - 201 306, INDIA</p> <p><b>Mobile:</b> 9422443979</p> <p><b>Email:</b> <a href="mailto:grcredy@yahoo.com">grcredy@yahoo.com</a></p>
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M.Sc. (Tech, 1976) and Ph. D (1980 NIT Warangal), specialised in Applied Optics and Photonics. Joined NIT, Warangal as Teaching Asst. in 1979 and became professor in 1995. He guided a number of M.Sc. (Tech.) and Ph.D theses. He was Director of NIT Calicut, NIT Goa, Director (Addnl Charge) of NIT Sikkim, IIT Kottayam, NIT Warangal and NIT AP (total 11 ½ years) and at present he is Vice-Chancellor, Sharda University, Greater Noida, Delhi-NCR. His interests are Fibre Optic sensors and Structural Design of materials for ballistic impacts and blasts. Worked on power spectrum of speckles in optical imaging, imaging under various illumination conditions, image subtraction and differentiation problems, correlation of speckles generated by diffusers illuminated by partially coherent light, properties of partially developed speckle, coherence measurement of light by correlation of speckle patterns and also relation between coherence and entropy, finger print identification and classification etc. In addition, he and his group have undertaken the following projects funded by various agencies. Holographic and speckle interferometric studies on pressure vessels and any sort of structural members of interest to DRDL "Design and Fabrication of Optical Data Processing System and analysis of Ground Magnetic Data" Development of Lasers and their Industrial and Technological Applications" In project (a) testing was carried on a missile tank of length 2½ mts and dia ½ meter both by holographic and speckle interferometric technics. In project (b) filtered the data by making use of "Directional Filtering Technic". In project (c) carried out a few HNDDT (Holographic non-destructive testing) investigations. Designed and developed "**Photocopier Zoom Lens System**" with less number of optical components for the magnification range of 0.64 x to 1.42 x which has given excellent performance. They also designed a "**High Resolution Stereo Zoom Microscope**" whose resolution is equivalent to stepped magnification stereo microscopes. Normally, this indigenous design meets more than requirement.


In collaboration with Electro-Optics Ltd., Singapore, a "**Naval Gun Bore Sight Camera System**" was designed and developed which can be opened by one revision. Their group also designed "**a 6x Night Vision Mini-scope**", "**a Hand held Day Vision Zoom Binoculars**" and designed and developed a **long range telescope coupled with CCD Camera for remote detection applications**". One patent related to "**Superconducting Permanent Magnetic Motor**" is filed (Appl. No. 4583/MUM/2015).

	<b>Name:</b> Prof. Ramachandraiah A. <b>Born:</b> 07-02-1956 <b>FTAS:</b> TAS/2012 <b>Address:</b> Professor (HAG), Dept. of Chemistry, NIT, Warangal, 506004 <b>Mobile:</b> 9490098910 <b>E-mail:</b> <a href="mailto:archem@nitw.ac.in">archem@nitw.ac.in</a> , <a href="mailto:chandraiah@msn.com">chandraiah@msn.com</a>
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**Academic and Research Particulars:** Number of Published Papers: About 65; Number Conference Presentations: About 80; Number of Invited Academic Talks: About 300; Number of Invited Popular Science Talks: About 800; Number of PhDs Produced: 12; Number of PhDs Working:6; Academic Administration: (a) Head, Dept. of Chemistry; (b) Dean, Research& Consultancy; (c) Professor-in-Charge, Centre for Automation and Instrumentation (CAI); (d) Coordinator, HERITAGE, an Indo-Europe Academic Exchange Programme; (e) Coordinator, EUPHRATES, an Indo-Europe Academic Exchange Programme; (f) Nodal Officer, Rashtriya Avishkar Abhiyan (RAA) of MHRD at NIT Warangal; (g) Professor-in-Charge and Project Coordinator, Teaching Learning Centre (TLC, an MHRD's Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching; (h) Professor-in-Charge, Centre for Educational Technology (CET); Professor-in-Charge, Continuing Education Programme (CEP); (i) Member, Board of Governors; (j) Carried out or holding research and academic projects worth more than 10 crores during the last 15 years till date.

**Other Contributions:** Founder Member and State Leadership Member: Jana Vignana Vedika (A National Award-Winning Science Communication Organization); Regular Science Columnist in Eenadu, The Hindu, Prajasakti, Nava Telangana; Editor: Vidyarthi Chekumuki, a Children's Science Monthly in Telugu; Mentor, INSPIRE (a DST National Panel of Mentors)

**Awards and Honours:**Team Leader to have received the country's highest National Award for Popularization of Science for the voluntary science organization, Jana Vignana Vedika, as its then State President from Dr. APJ Abdul Kalam, the then President of India at Rashtrapathi Bhavan, on 28<sup>th</sup> February 2006

	<p><b>Name:</b> Prof. Ramachandram S.</p> <p><b>D.O.B:</b> 10-12-1959</p> <p><b>FTAS:</b> TAS/2016</p> <p><b>Address:</b> Vice-Chancellor, Osmania University, Hyderabad – 500 007</p> <p><b>Mobile:</b></p> <p><b>Email:</b> <a href="mailto:schandram@osmania.ac.in">schandram@osmania.ac.in</a> <a href="mailto:schandram@gmail.com">schandram@gmail.com</a></p>
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Prof. S. Ramachandram, Vice-Chancellor, Osmania University is a proactive academician with vision and passion for promotion of excellence in Higher Education. He completed B. Tech in Electronics and communication Engineering and Masters in Computer Science Engineering from Osmania University in 1983 and 1985 respectively. He obtained Ph.D. Computer Science Engineering in 2005 from Osmania University. Prof. Ramachandram joined Osmania University as Assistant Professor in the Department of CSE in 1988 and became professor in 2005. Visited USA, UK, Malaysia, Thailand, Indonesia and Nepal to present papers.

**Academic and Research Achievements:** Prof. Ramachandram has held various academic positions such as, Head, Department of CSE, Chairman, BOS in CSE, Nodal Officer for TEQIP Project Phase-1, Project Co-ordinator, TEQIP Project Phase-2 and Dean, Faculty of Informatics. He has served the University with distinction in various capacities such as, Vice-Principal and In-Charge Principal, University College of Engineering, Director, University Computer Centre, and Additional Controller of Examinations (EDP section). He brought home his expertise and made outstanding contribution to the Digitization and Automation of Evaluation and Key Administrative units of the university. Successfully carried on the mantle as the Convener of PGECET- 2016. His specialization and research pursuits include Mobile, Grid and Cloud Computing. He has authored books on Software and Operating systems and published quality research papers in journals of repute. Published more than 100 research publications, and 15 students for Ph.D.

**Other Contributions:** During his tenure the Osmania University has been awarded 'A+' grade by National Assessment and Accreditation Council (NAAC). Prof. Ramachandram has deep commitment for taking his alma mater to newer heights of glory in the years to come.

**Awards and Honors:** Prof. S. Ramachandram was awarded the Best Teacher Award in 2013 by the Govt. of Andhra Pradesh. He is actively involved in professional advancement as a computer scientist. He is a member of - Institute of Electrical and Electronic Engineers (IEEE), Computer Society of India (CSI) and Institute of Electronics and Telecommunication Engineers (IETE) and ACM.



	<b>Name:</b> Prof. Dr. Ramachary, D.B. <b>Born:</b> 18-6-1973 <b>FTSA:</b> TSA/2016 <b>Address:</b> School of Chemistry, UoH, Hyderabad-500 046 <b>Telephone:</b> 040-23134816 <b>E-mail:</b> <a href="mailto:ramsc@uohyd.ac.in">ramsc@uohyd.ac.in</a> ; <a href="mailto:ramchary.db@gmail.com">ramchary.db@gmail.com</a> ; <b>Mobile:</b> 9652010273
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MSc-I Chemistry (UoH), PhD-Organic Chemistry (IISc): Postdoctoral fellowship: at the TSRI, San Diego, USA University of Hyderabad in 2005 as a Lecturer and professor in 2013.

**Academic and Research Achievements:** The bio-mimetic catalysis research activities of Ramachary's laboratory have great impact in the area of green synthesis and drug discovery. Discovered number of new sequential one-pot reactions for the diversity oriented synthesis of natural products, polycyclic natural product-like compounds, drugs and drug-like molecules by employing various complexity generating reactions such as asymmetric organocatalytic aldol, Michael, Mannich, Diels-Alder, amination, reductive coupling, reflexive-Michael reactions, click reaction and other organocatalytic reactions on simple starting materials. This chemistry has become well known "sequential one-pot combination of multi-component reactions (MCR's) and multi-catalysis cascade (MCC) reactions" for the synthesis of highly functionalized drugs and drug-like molecules. He has developed a new 1 x C-C/2 x C-H bond formation reaction called "Three Component Reductive Alkylation (TCRA)" in which different active methylenes undergo a reaction with a library of aldehydes and Hantzsch ester under amino acid-catalysis to produce green alkylation products, which are shown to be drug intermediates and ingredients. They developed for the first time a new reactive catalytic species called "push-pull dienamines (PPD's)", push-pull dienolates, and enolates from the reaction of amines with functionalized enones or carbonyl compounds at room temperature and has demonstrated many applications of catalytic push-pull dienamine or enolate-chemistry through fine chemical synthesis. Developed the asymmetric synthesis of drug-like spirocyclic systems having five to six contiguous stereocenters through novel aminoalkyne-catalysis. and also undertaken another research program by looking at the importance of dynamic equilibrium states in chemical biology and drug discovery and trapping of king size pre- or post-transition states of asymmetric reactions through "supramolecular-organocatalysis". Utilization of large-size supramolecular rings in the pre-transition state (pre-TS) of enamine-based Michael reactions for high asymmetric induction is described in his recent work. Recently, Ramachary's laboratory has developed a new metal-free tool for the synthesis of variety of functionalized 1,2,3-triazoles from simple carbonyl compounds and azides under the amine or amino acid-catalysis, which is called as "organo-click reactions" which are shown to be drug intermediates and ingredients. This organo-click reaction has an excellent outcome with reference to reaction rate, yield, regioselectivity, operation simplicity, and availability of substrates and catalyst.

**Other Contributions:** Published over 90 research papers in peer-reviewed journals and guided 14 PhD students. And delivered more than 80 invited talks member of RSC journal Organic & Biomolecular Chemistry and ChemPubSoc Europe journal European Journal of Organic Chemistry.

**Awards and Honors:** (1) INSA Medal for Young Scientist-2006; (2) AK Bose Memorial Award, (INSA-2010); (3) B. M. Birla Science Prize in Chemical Sciences-2011; (4) Member, The National Academy of Sciences, India; (5) The Chancellor Award-2014 from UoH; (6) Certificate of Appreciation as Thesis Adviser for "Eli Lilly and Company Asia Outstanding Thesis Awardee" 2011, 2012, 2013 and 2014; (7) CRSI Bronze Medal-2016; (8) Member, Chemical Research Society of India (CRSI), Bangalore, (9) Top 10% of Highly Cited Author in RSC Organic and Medicinal Portfolio of Journals.




Name: **Prof. Ramaiah D.**  
Born: 04-06-1958  
FTAS: TAS/2013  
Address: Director, North East Instt. of Science & Technology  
(NEIST), Jorhat, ASSAM-785006  
Mobile : 9435499986  
E-Mail : [d.ramaiah@gmail.com](mailto:d.ramaiah@gmail.com) or [rama@neist.res.in](mailto:rama@neist.res.in)

D. Ramaiah was born at Seemalakuntapally and graduated from SRR College in Karimanagar District. He obtained Ph. D. degree in Chemistry in 1988 from the Indian Institute of Technology (I.I.T.), Kanpur. He joined as a Scientist at the then Regional Research Laboratory (RRL), CSIR, Trivandrum in 1988 and was associated with the Photosciences and Photonics since its inception. He has served CSIR for around 30 years on various capacities including the Head of the Chemical Sciences and Technology Division of the CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Trivandrum and as the Director of the CSIR-North East Institute of Science and Technology (CSIR-NEIST), Jorhat, Assam.

**Academic and Research Achievements:** Ramaiah has published more than 120 research papers in peer reviewed international journals, presented over 80 papers in national and international conferences and filed or obtained 32 national and international patents. So far 23 Ph. D, 8 PDFs and 27 M. Sc students have been supervised/graduated under his guidance and currently 2 PhD students are working for their degree. Ramaiah's major research interests include photochemistry of multichromophoric organic systems, design of DNA cleaving agents, molecular probes for nucleotides and sensitizers for photodynamic therapeutical applications.

**Other Contributions:** Ramaiah was a Post-doctoral Fellow at the University of Würzburg, Germany and Georgia Institute of Technology, Atlanta, USA. He was a Visiting Scientist at the Institute of Pharmaceutical Sciences, University of Padova, Italy, French Atomic Energy Commission, Grenoble, France, School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, Institute of Pharmacy, University of Mainz, Germany and Advanced Chemical Research Centre, University of Barcelona, Spain.

**Awards and Honors:** Ramaiah was a recipient of the Alexander von Humboldt Fellowship (1992-1993), Bronze Medal of the Chemical Research Society of India (2003), Prof. Anantharaman Memorial Lecture Award (2005), Outstanding Performance Awards of CSIR-NIIST, Trivandrum (2007-2008 and 2008-2009), Medal of the Materials Research Society of India for 2010, Prof. Asokan Memorial Lecture Award of MG University (2012), Dr R A Mashelkar Endowment Lecture award on Advanced Materials (2015) of NCL Pune and Dr AV Rama Rao Foundation Prize in Chemical Sciences of JNCASR (2015). He was Associate Editor of Photochemistry and Photobiology (since Jan 2009) and is Vice-President of the Chemical Research Society of India and Editor of the Journal of Photochemistry and Photobiology B Biology published by Elsevier. Ramaiah has been Elected Fellow of the Indian Academy of Sciences (FASc), Bangalore (2010), Andhra Pradesh Akademy of Sciences (FAPSc, 2013), National Academy of Sciences, Allahabad (2016) and North East Academy of Sciences and Technology, Mizoram (2018). Ramaiah has been recognized for Excellence in Science by the Government of Telangana State on the State Formation Day on June 2, 2018.

	<b>Name</b> : Prof. Ramaiah K. V.A. , <b>Born</b> : 15-12-1954 <b>FTAS</b> : TAS/2005 <b>Address</b> : Professor, Dept. of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad-500046, Telangana, <b>Mobile</b> : 9490703241; <b>Email</b> : <a href="mailto:kvarsl@yahoo.com">kvarsl@yahoo.com</a>
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M. Sc Botany (Meerut University 1976), MPhil (1978), and Ph.D ( 1982), from the JNU, New-Delhi worked on studied the membrane permeability of normal and tumor postdoctoral fellow at the School of Biological Sciences, University of Lincoln, Nebraska, USA, School of Chemistry, Univ Lincoln, Nebraska and at the Harvard University –MIT Health Sciences and Technology, Cambridge, Massachusetts, USA during April-1982-October 1987. Worked on regulation of protein synthesis in plants and in reticulocytes in response to wounding and heme-deficiency. joined as lecturer at the Department of Biochemistry, School of Life Sciences, University of Hyderabad,(1987) became Reader in (1990) and Professor (1998). He was a visiting scientist at MIT during summer months (May-Jul) of the years 1989-94; visiting scientist at NICHD, NIH,USA, during Oct-Dec 1996 and at Hebrew University, Jerusalem during the May months of 1998 and 1999.

**Academic and Research Achievements:** His research dealt with the mechanism and regulation of the initiation step in protein synthesis mediated by the heterotrimeric eukaryotic initiation factor 2 (eIF2) and its recycling factor eIF2B, a heteropentameric rate limiting protein that recycles eIF2.GDP to eIF2.GTP. mediated by that a Ser<sup>51</sup> phosphorylated eIF2 $\gamma$  with unphosphorylated ser<sup>48</sup> residue forms a tight complex with eIF2B (Biochemistry, 2000, 39,12929-12938; Biochemistry,1999,38, 15398-15405) that inhibits the GDP/GTP exchange activity of eIF2B (Mol. Cell. Biol., 1994, 14, 4546-4553), and affects its intersubunit and interprotein interactions (Genes and Development, 1998, 12, 514-526; BBRC, 2005, 338, 1766–1772; BBRC, 2008, 374, 336–340). As a result, phosphorylated eIF2 $\gamma$  stays bound on the 60S ribosomal subunits of 80S initiation complexes and cannot be recycled to functional eIF2.GTP (PNAS, USA, 1992, 89, 12063-12067). Other important findings of him include a) involvement of a type 1 phosphatase that targets phosphorylated eIF2 $\gamma$  complexed with eIF2B in the dephosphorylation b) decline in eIF2 $\gamma$  phosphorylation, a stress, survival and suicidal signal and part of the unfolded protein response (UPR), a complex signaling pathway that is evoked by accumulation of unfolded proteins in the Endoplasmic reticulum (ER), in ageing (BBRC, 2007, 355, 365-370; Apoptosis, 2010, 15, 679-692) c) the importance of eIF2 $\gamma$  phosphorylation in cellular homeostasis as a mutant baculovirus devoid of p35, an anti-apoptotic protein, promotes eIF2 $\gamma$  phosphorylation and cell death (Biochemistry, 2003, 42, 15352-15360) and d) importance of inactivation PKR (double stranded RNA dependent eIF2 $\gamma$  kinase)-eIF2 $\gamma$  phosphorylation pathway in insulin treated cells to maintain insulin induced enhanced translation and insulin sensitivity but that compromises the cellular ability to fight against virus infection (Arch Biochem. Biophys, 2015, in Press).

**Other Contributions:** Served as Head Dept Biochemistry; Vice President of the Campus School; DBT PAC member on Seri Biotechnology; external member of the Academic council, Pondicherry University; Mentored 16 Ph.D students.

**Awards and Honors:** Recipient of the Rockefeller Foundation career Fellowship Award in Biotechnology (1989-91; 92-94), Fellow of the National Academy of Sciences, in 2003; Scientist Award in Biology in 2007. Recipient of Professor M. Shadakshara Swamy endowment Lecture Award( 2010 ) by the Society of Biological Chemists, India (SBCI).



<b>Name:</b>	<b>Dr. Ramakrishna Rao M.</b>
<b>Born:</b>	30-12-1924,
<b>FTAS:</b>	TAS/1976
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Ramakrishna Rao obtained his MSc in Physics and PhD from Osmania University, Hyderabad. He joined Indian Institute of Science (IISc), Bangalore as Scientist and initiated R & D Programmes in Solar Energy at the IISc in 1972.

#### **Academic and Research Achievements:**


Prof. Rao is a pioneer in Instrumentation Technology in the Country. He has formulated, designed and directed many instrumentation and academic programmes in the fields of Vacuum Technology, Thin Films, Lasers, Applied Optics and Solar Energy. After his retirement from the Indian Institute of Science in 1985 he has been actively engaged in consultancy and promotion of Solar Energy Technologies till today. He was the Chief Consultant of Dr. Rao Associates, Hyderabad who did the design and project management of World's largest 1 MWH Solar Hot Water System at Hyderabad and who was the Principal Investigator for the first Indian 5KW Solar Photovoltaic interfaced power plant installed at Engineering Staff College of India. He was the Chief of Instrumentation in ESCI for 5 years. Prof. Rao also developed the first commercial Solar Powered Solar Air Dryer, with many innovative features for which the Patent is granted and developed Solar Food Processing Technology for rural industry.

#### **Other Contributions:**

Currently, he is directing the R & D projects at Society for Energy, Environment & Development (SEED) on Solar Cabinet Dryers and Solar Food Processing Technology, sponsored by UNDP, DST, DRDO, MNRE, REPSO, NABARD, etc. and also the manufacturing activities of Solar Dryers.

#### **Awards and Honours:**

Prof. M. Ramakrishna Rao is a fellow of A.P. Academy of Science, Optical Society of India, Electro-Chemical Society of India and life member of Vacuum Society of India, Instrument Society of India and Solar Energy Society of India. He was an Expert Member of National Advisory Committee on Solar Thermal Energy of Government of India for many years and served in many selection committees of Institutions like ISRO, IITs and Universities. Prof. Rao was honoured with the Instrument Society of India award for 1987, NEDCAP award in 1991, Vacuum Society honours in 1995 and K.S. Rao Memorial award in 2002, Indira Gandhi Priyadarshini Award in 2005, and NABARD Award for Rural Innovations in 2012.


	<b>Name</b>	: Dr. Ramana Chary K. V.
	Born	: 10-02-1954
	FTSA	: TSA/2011
	<b>Address</b>	: Dept. of Chemical Sciences, Tata Inst. of Fundamental Research Homi Bhabha Road, Navy Nagar, Mumbai-400005;
	Mobile	: 9987260959,
	E-mail	: <a href="mailto:chary@tifr.res.in">chary@tifr.res.in</a> , <a href="mailto:chary54@gmail.com">chary54@gmail.com</a> ,

B. Sc, M Sc. (Physics, OU) and Ph. D (OU), joined the Tata Institute of Fundamental Research, Mumbai, in 1983, visited Institute of Molecular Biology and Biophysics, Eidgenössische Technische Hochschule, Zurich, Switzerland, (1988-90). visiting scientist at National Institutes of Health, Bethesda, USA; European Union Large Scale Facility for Nuclear Magnetic Resonance in life sciences, Italy; and The Institute of Molecular Bioscience, University of Queensland, Australia.

**Academic and Research Achievements:** Dr. Chary contributed to fields of Molecular Biophysics, Biological Chemistry, Structural Biology and Nuclear Magnetic Resonance Spectroscopy. 3D structures and properties of biological molecules in atomic detail and their correlation with biological activity. His work on biologically rare DNA forms unveiled for the first time, structural insights on duplex and triplex mismatches, hair-pin bends and strand disproportionation in adopting triplex structures. Most intriguingly, he showed that triplexes are subject to strand slippages in one setting, while in another the same act as a rigid hindrance for incoming DNA replication. He demonstrated the capability of solving complete 3D solution structures of proteins by NMR in India for the first time and continues to lead this pursuit. He decoded the implications of calcium-binding proteins from *Entamoeba* and archaea in pathogenicity. He demonstrated myristoylation-dependent plasticity and signaling of a neuronal calcium sensor, a protein implicated in neurophysiology. He demonstrated conformational heterogeneity and dynamics in this protein, when it is natively unfolded. In these endeavours, several NMR methodologies were developed, which speed up both acquisition and analysis of multidimensional NMR data by several orders of magnitude and push the boundary of NMR capability. To sum up, Chary's research work elegantly combines high-resolution 3D structural and dynamics information with a judicious mix of other supporting biophysical tools to achieve a wholesome understanding of proteins and nucleic acids.

**Other Contributions:** Organized international conferences, workshops and training scientists. (ICMRBS), International Union of Pure and Applied Biophysics (IUPAB), Asian Biophysics Association (ABA), Royal Society of Chemistry (West India Section) and Marie Curie International Research Staff Exchange Scheme of European Union. Prof. Chary is a fellow of the National Academy of Sciences, India, (2015-), Member, International Advisory Board, ICMRBS and the Treasurer and Member (2008-2014), Executive Secretary and Chairperson, ICMRBS; Member Secretary and President, Indian Biophysical Society; Vice-Chairman and Chairman, Royal Society of Chemistry, President, New Biology Section of ISCA (1996) a member of IUPAB Task Force on, "NMR of Biological Systems".

**Awards and Honors:** Young Scientist Medal, (INSA); Young Scientist Award, BRUKER; Anil Kumar Bose Memorial Award, (INSA) Prof. Rango Krishna Asundi Memorial Lecture Award of INSA; Prof. J.C. Ghosh Memorial Award of the Indian Chemical Society; and The "Dharamsi Morarji Chemical Co. Visiting Fellowship in Chemistry" of the Institute of Chemical Technology, Mumbai. He is an elected Fellow of The World Academy of Sciences (TWAS), INSA, National Academy of Sciences, India. He is a J.C. Bose National Fellow.

	<b>Name:</b>	<b>Prof. Ramana Rao N.V.</b>
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BE (Civil Engineering) Osmania University, 1983 M.Tech (Structural Engineering), Indian Institute of Technology, Delhi, 1985. Secured Ph.D and Post Doctorate degrees in Civil and Structural Engineering from University of Wales, Swansea, UK, 1992. Joined JNTU Hyderabad as Assistant Professor in 1985 and promoted to Professor in 1999 in the Civil Engineering Department at JNTU Hyderabad.

He held several Administrative posts such as Registrar, JNTU Hyderabad (2012 to 2015), Principal, JNTUH College of Engineering, Hyderabad (2008 to 2011), Director, Bureau of Industrial Consultancy Services, JNTU, Hyderabad (2003 to 2006) and Coordinator, Entrepreneurship Development Cell, JNTU Hyderabad (2002 to 2004). **At present, he is Director and Professor of Civil Engineering at National Institute of Technology, Warangal since 2017.**

**Academic and Research Achievements:** Guided 50 M.Tech's, 8 Ph.D's and Authored and Edited 4 Books, Published and presented 137 papers in National and International Journals and Conferences.

**Other Contributions:** He is a well-known Administrator, Teacher & Consultant in the field of Civil and Structural engineering in twin cities of Hyderabad and Secunderabad. He has about 30 years of experience in Teaching, Research and Consultancy. He was former Director of Bureau of Industrial Consultancy Research and Development (BICARD) at JNT University (22.9.2003 to 05.05.2006). He also served on several important State / National level Government Committees such as Member of Governing Body / High Level Committees / Advisory Committee / Technical Expert Committee / AICTE Inspection Committees / Convener of EAMCET (2010 – 2016). He also visited several countries for Research Collaboration.

**Awards and Honors:** (1) Outstanding Concrete Engineer Award for the year 2012 by A.P. Chapter of the Indian Concrete Institute, (2) TOBIP Award for the year by the Junior Chambers International, Hyderabad, September 2012, JCI Banjara Hyderabad, (3) Arthur Cotton Memorial Prize by the Institute of Engineers (India) for the best paper in the IEI Journal, December, 2012, (4) State Best Teacher Award for the year 2011 by the Government of Andhra Pradesh, (5) Best Designer Award for year the 2004 by Indian Concrete Institute, A.P., Hyderabad Center for the School of Information Technology Building, (6) Awarded the 1998 Commonwealth Fellowship to pursue Post-Doctoral research at the University of Wales, Swansea. U.K, (7) Young Engineer Award for the year 1995 by Government of Andhra Pradesh and Institution of Engineers, India, A.P. State Center, (8) Awarded the 1989 Commonwealth Scholarship to pursue PhD in Structural engineering at the University of Wales, Swansea, UK, (9) Arthur Cotton Memorial Prize by the Institute of Engineers (India) for the best paper in the Studies on the Impact of Explosion on Blast Resistant Stiffened Door Structures, Series A, Volume 96, 2015, (10) 'Eminent Engineer', Award presented by the Association of Consulting Civil Engineer (India) ACCE(I), Madurai on 2<sup>nd</sup> June 2018, for the immense contribution to the construction industry.





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Prof. M.V. Ramana Reddy, M.Sc., Physics (Solid state Physics), OU (1982) and Ph.D (OU, 1988). Joined the Dept. of Physics, Osmania University, Hyderabad in 1989. Deputy coordinator UGC-SAP DSA-III (2015-2020). His research interests are in the area of (i) Metal Oxide Semiconducting Thin films, LTCC, Ferrites, MOS Nanostructures and their Core-Shell for Gas Sensing applications. Received research grants from UGC-Major research project, OU DST PURSE, UGC-UPE-FAR, DST-SERB (42.53 Lakhs 2018-2021). Authored 5 Books and Published over 70 research papers in peer reviewed journals. Presented papers in various National and International conferences.

**Six** students awarded Ph.D degree, 1 student M.Phil degree. Presently 3 UGC-CSIR JRFs, 2 DST INSPIRE Fellows are working for their Ph.D and 2 students completed their Ph.Ds waiting for final viva. Convener for national seminar and served as organizing secretary and co-convener\ member for various International and National conferences/seminars/workshops

**Member:** UGC-SAP DSA-II, M.Sc. Nano Science programme. Governing body member for various P.G. colleges and selection committee member for faculty recruitment in professional colleges. Convener Syllabus revision committee for UG and PG courses.in statistical Mechanics and Classical Mechanics





**Name:** Prof. Dr. Rama Swamy, Nanna

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**Elected:** TAS/2018

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M. Sc Botany, specialized in **Cytology, Genetics & Cytogenetics**, Kakatiya University, 1978. **Ph. D (Genetics & Plant Breeding)** Kakatiya University, Warangal, 2003 on “Studies on Heteromorphic Incompatibility in distylous *Turnera subulata*”. Joined Kakatiya University in 1984 as Assistant Professor and since 2016 as a Professor in the Department of Biotechnology, Kakatiya University.

**Academic and Research Achievements:** Awarded Indo-Netherlands Cultural Exchange Fellowship- 1997; TWAS- UNESCO Visiting Associate Fellowship-2002 & 2004; INDO-HUNGARIAN Academy of Sciences Fellowship-2008 and TWAS- UNESCO Visiting Associate Fellowship-2009 & 2010. Guided 23 Ph. D students. Published 148 peer reviewed articles in reputed National and International Journals; authored /edited 18 books ; Research interest in **Plant Tissue Culture, Genetic Engineering and Agricultural Biotechnology**. Developed the protocols for conservation of endangered medicinally important plants & forest tree species, including the trees used in toy making Industry; Genetically Engineered the Brazilian banana sHSP genes and their expression in cultivated tomato cvs PKM-1&S-22 and developed the abiotic stress tolerant tomato, molecular cloning of Antiporter gene (AtNHX1) with CaMV 35S and SI promoters and developed the salt tolerant tomato. Fungal resistant transgenic groundnut and pigeonpea are produced by using Tc Chitinase-I gene. Identified certain biomolecules against diabetics, hypertension, etc and established the green synthesis of nanoparticles and their effect on human pathogens. The cost effective capsular polysaccharides are produced and applied for one patent.

**Awards and Honors:** Recipient of the Academy of Plant Sciences India Award-2005, Andhra Pradesh Scientist Award(APCOST) -2007, the Excellency Award-2009, State Meritorius Best Teacher Award -2010, Pioneers in Genomics Education class of 2010 award, Talented Biotechnologist Award-2011(Srilanka), Talented Scientist Award – 2012( USA), Global Achievers Award-2013, Excellency in Research Award-2014, Out Standing Faculty Award-2015, JBS, Prof. Panchanana Maheshwari Medal Award-2017.


	<p><b>Name:</b> Dr. Ramesh Babu V.</p> <p><b>Born:</b> 08-07-1969</p> <p><b>FTAS:</b> TAS/2019</p> <p><b>Address:</b> Airborne Survey and Remote Sensing Group, Atomic Minerals Directorate for Exploration and Research</p> <p><b>E-mail:</b> <a href="mailto:rameshbabuveldi@gmail.com">rameshbabuveldi@gmail.com</a></p> <p><b>Mobile:</b> 91-9491074110</p> <p><a href="https://scholar.google.co.in/citations?hl=en&amp;user=ChZWGWsAAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=ChZWGWsAAAAJ</a></p>
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Dr. Veldi Ramesh Babu obtained M. Sc. Tech (1992) and Ph. D (2008) both in Exploration Geophysics from Osmania University. He started his scientific career at Osmania University as a research scholar and later joined as Scientific Officer-C in Atomic Minerals Directorate for Exploration and Research, Department of Atomic Energy in 1995. Presently he is Scientific Officer-G and is associated with aerial survey group. He specialized in ground and airborne geophysical data acquisition, processing, modeling and integrated interpretation. He is an Adjunct Professor at AMD-BARC Training School (2011), Homi Bhabha National Institute (HBNI).

**Academic and Research Achievements:** Dr Ramesh Babu has more than 25 years of experience in the area of geophysical surveys for mineral exploration in different proterozoic basins of India viz., North Delhi Fold belt, Indravathi, Chhattisgarh, Bhima Basin, Cuddapah Basin, Shillong Basin, Kunjar-Darjing Basin, Vindhyan Basin and Mahakoshal Fold Belt. Since last decade, he is associated and coordinating high resolution heliborne magnetic, gamma ray spectrometric, time domain electromagnetic (TDEM) and natural source EM surveys in India. Successfully demonstrated the Inductive Induced Polarization (IIP) effect in heliborne TDEM through modeling and ground based spectral IP. IIP technique is now popular in deciphering the subsurface alteration zones favorable mineralization. Processed and interpreted over two lakh line kilometers of heliborne data using advanced software programs along with in-house developed programs. Developed innovative techniques in integrated interpretation of geophysical, satellite with surface and subsurface geological data on a Geographical Information System (GIS) and identified the sub-surface target areas for exploration. He has more than 50 technical reports to his credit.. He published 33 research articles in the leading national and international journals and also presented more than 25 in national and international seminars and symposiums. Supervised 25 M. Tech dissertations and guiding 2 Ph. D students.

**Other Contributions:** Dr. Ramesh Babu is a member of several in house committee member viz., selection committee, library committee, publication group. He also takes active part in public awareness programmes of the organization. To promote the science and technology in the rural areas, he frequently visits government schools and interacts and motivates the high school students.

**Awards and Honors:** He is an active member of Society of Exploration Geophysicists, USA. He is a **Fellow of Indian Geophysical Union**, India. He is a recipient of "**National Geoscience Award for the year 2016**" by Ministry of Mines, Government of India.


	<b>Name:</b> Dr. RAMESH L. GARDAS
	<b>Born:</b> 20-08-1977
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**Education and Positions:** B.Sc. (Chemistry) and M.Sc. (Physical Chemistry) with First Class from Veer Narmad South Gujarat University, Surat. Awarded Ph.D. in Chemistry in 2004 for his work on “*Thermodynamic studies of nonelectrolyte binary and ternary liquid mixtures*”. During 2005, carried out postdoc research on “*PVT data of pure and binary liquid mixtures*” at the University of Coimbra, Portugal. In 2006, joined PATH, University of Aveiro, Portugal, to work on “*Water solubility, octanol-water partition coefficients, and thermophysical properties prediction of ionic liquids*”. In 2008, moved to QUILL, Queen’s University Belfast, UK to work on a confidential project sponsored by Petronas, Malaysia. Joined IIT Madras as an Assistant Professor in Chemistry in August 2010 and promoted to Associate Professor in July 2015.

**Academic and Research Achievements:** More than 19-years of research and 10-years of teaching experience. Guided 10 Ph.D. and 15 M.Sc project students. Completed 8 major/minor projects as PI/co-PI worth more than Rs. 6 crores. Co-author of 4 patents, 2 book chapters and 160 research papers which received 5600+ citations with h-index = 36. Delivered 100+ invited talks.

Research group focusses on ‘*Chemical Thermodynamics*’ and ‘*Phase Equilibria*’ of industrially important solvents and their mixtures. Research interests include synthesis and physico-chemical properties of novel, non-conventional and environmentally benign solvents (e.g. ionic liquids, deep eutectic solvents) and their mixtures with conventional solvents for an in-depth understanding of solute-solvent interactions and also to develop their structure-composition-property correlations. Research group strives to design the task-specific ionic liquids and to provide an important insight into physical chemistry to regulate their properties for varied technological applications such as phase change materials, CO<sub>2</sub> capturing, dissolution of tank bottom sludge, electrolytes in solar cell and super capacitors, absorbents for refrigeration system, desulfurization of fuels, and also extraction of metal ions, biomolecules and value-added products.


**Awards and Honors:** Bestowed with several awards/recognitions by prestigious institutes/ societies including the ‘Institute Research and Development Award’ for the year 2015 by IIT Madras; Associate Editor of Heliyon, Elsevier journal; Associate Editor of Physical Chemistry and Chemical Physics, Frontiers journal; Fellow Royal Society of Chemistry (FRSC), UK; Publons Top Peer Review Award 2019 (Top 1% of Reviewers in Chemistry); and included in world’s top 25 ‘Emerging Investigators’ (2018) by the Journal of Chemical and Engineering Data, an American Chemical Society Journal.

	Name	:	<b>Dr. Ramesh, K. Aggarwal</b>
	Born	:	09-02-1958
	FTAS	:	TAS/2010
	Address	:	Chief Scientist, Centre for Cellular and Molecular Biology (CCMB), Uppal Road, Hyderabad – 500007
	Mobile	:	9849042817
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M.Sc.(1980) and Ph. D. (1987) in Genetics from Haryana Agricultural University, Hisar, Haryana, He joined CCMB in 1987 He has been a Project Scientist Manila, Philippines (1994 to 1996). working as Chief Scientist and also as Professor ACSIR. Aggarwal's major research interest has been the 'development and application of DNA markers/tools' for wildlife conservation, crop improvement and disease diagnostics. He contributed significantly in the development of first 'multi-locus DNA fingerprinting' technology in India, especially in demonstrating its 'universality', and potential in population/ phylogenetics studies. His work on wildlife conservation has brought new perspectives to the origin/evolution/phylogeography of wolves, olive ridleys, and anurans in the Indian subcontinent. He has shown that the two wolf populations from India are two ancient species basal to the grey wolf-dog lineage. He has done significant DNA typing work on characterization of primary/secondary genepool of rice, coffee and mulberry. He also described two new genomes of rice, identified rice germplasm sources for nodulin, suggested Gondwanaland origin of Oryza, and genetic uniqueness of traditional Basmati varieties. His pioneering work on coffee and mulberry has resulted in large genomic resources and molecular linkage maps (first tree species maps from India). He is presently coordinating the National effort on Apple genomics. In the area of biomedical research, he established Acanthamoeba as causative protozoan of keratitis in non-contact lens users, developed a simple diagnostic assay for its clinical testing, and identified biomarkers for psoriasis in Indians. His other major interest is to understand the molecular basis of temperature-dependent sex-determination, which is an enigmatic/unsolved problem of vertebrate development. Using Indian mugger as model system, he has created large genomic resources/significant leads that are expected to be seminal in unraveling the TSD.

**Other Contributions:** He is/has been a member of a number of National level expert committees/Task Forces having mandate of making national guidelines and deciding research priorities/funding in the country; regulatory panels/committees for monitoring quality and ethical practices in science; He has successfully coordinated multi-centric network projects, as well as, served as Chair and/or member of work review committees for some of the National networks programs. He was member of the group that first mooted the idea of an "International Coffee Genomics initiative' known as 'Bangalore Declaration' in 2004; and later represented India as DBT nominee in the first International meeting held in Paris, France (April 2005), where the "International Coffee Genomics Network" was founded. He has also successfully organized many national/international meetings/training programs.

**Awards and Honours:** He is Fellow of "National Academy of Agricultural Research, New Delhi" and Associate of National Institute of Advanced Studies, Bangalore. He is a member of the editorial board of many scientific journals.

	<p> Name : <b>Dr. Ramesh K. J.</b>  Born : 26-07-1959  FTAS : TAS/2010  Address : Adviser &amp; Scientist-'G' Ministry of Earth Sciences "Prithvi Bhavan", IMD Campus, Opp. India Habitat Centre, Lodi Road, New Delhi - 110 003  Mobile : 919868733464  E-Mail : <a href="mailto:kjramesh2607@gmail.com">kjramesh2607@gmail.com</a>, </p>
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#### **Academic and Research Achievements:**


Have over 50 Reviewed Research Publications to the credit, IIT Delhi for 10-years (1984-1994) –Research on Monsoon Dynamics; Group Head, Department of Science & Technology, NCMRWF (1994-2001) – Monsoon Prediction, Diagnostics and Performance Evaluation; Technical Head, Disaster Management Unit, Govt. of Andhra Pradesh (2001-2005) – Cyclone and Flood Hazard Mitigation (World Bank Funded Activity); Disaster Management Cell, Department of Science & Technology (2005-2007) – Multi Hazard Mitigation Framework Development; Disaster Management Guidelines for Cyclones; Floods; Urban Floods; Adviser and Scientist-‘G’, Ministry of Earth Sciences (2007-to date) – Programme Development & Implementation of Atmospheric and Climate Science & Services

#### **Other Contributions:**

Served as Member, National Disaster Management Authority (NDMA) Core Groups for the Development of Guidelines in respect of Cyclones; Floods; Urban Floods; Disaster Communication; Joint Research Supervisor for Ph D/M Tech Projects in IIT Delhi; Indra Prastha University; Andhra University

#### **Awards and Honors:**

Elected Fellow, Andhra Pradesh Academy of Sciences (FAPAS); Elected Member, National Academy of Sciences, Allahabad; Member of the Indian Delegation for UNFCCC Negotiations on climate change; IPCC AR5 Summaries for Policy Makers (SPMs)

	<p><b>Name:</b> Dr. Ramesh V. Sonti</p> <p><b>Born:</b> 24-05-1960</p> <p><b>FTAS:</b> TAS/2014</p> <p><b>Address:</b> Director, National Institute of Plant Genome Research, Aruna Asaf Ali Road, New Delhi – 110 067</p> <p><b>Email:</b> <a href="mailto:director@nipgr.ac.in">director@nipgr.ac.in</a>, <a href="mailto:sonti@nipgr.ac.in">sonti@nipgr.ac.in</a>, <a href="mailto:rameshvsonti@gmail.com">rameshvsonti@gmail.com</a></p> <p><b>Mobile:</b> 91-9441055295</p>
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B.Sc. (Botany, Zoology and Chemistry), Andhra University, 1980. M.Sc. (Plant Sciences) 1982 and M.Phil (Life Sciences) 1983, University of Hyderabad. Ph.D. (Bacterial Genetics), University of Utah, USA 1990. Post-doctoral research on plant genetics at the Massachusetts Institute of Technology, Cambridge, USA. In 1993, he joined the CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad as Scientist-C and served as a Chief Scientist. In November 2017, he joined the National Institute of Plant Genome Research, New Delhi as Director.

**Academic and Research Achievements:** Guided 16 Ph. D. students and published more than 60 papers/review articles in reputed national/international journals. Granted several international patents and one plant breeder's rights. His group has made important contributions towards identifying virulence factors of a bacterial pathogen of rice with focus on identifying mechanisms by which the bacterium suppresses rice immune response. His group and collaborators at the Indian Institute of Rice Research, Hyderabad have developed "Improved Samba Mahsuri", a bacterial blight resistant derivative of the elite rice variety Samba Mahsuri. Improved Samba Mahsuri is under commercial cultivation.

**Awards and Honors:** Recipient of Gold Medal for M.Sc. 1<sup>st</sup> Rank, Merit Fellowship for M.Phil from the University of Hyderabad, Shanti Swarup Bhatnagar Prize in Biological Sciences, National Bioscience Award of DBT, Govt. of India, J. C. Bose fellowship of DST, Govt. of India. Elected Fellow of the Indian National Science Academy, National Academy of Sciences, Indian Academy of Sciences, National Academy of Agricultural Sciences and Andhra Pradesh Academy of Sciences. Leader of the inter-institutional team of researchers from the Indian Institute of Rice Research and Centre for Cellular and Molecular Biology that has been selected for the Biotech Product Process Development and Commercialization Award-2016 by DBT, Govt. of India. Leader of the inter-institutional team of researchers from Directorate of Rice Research and Centre for Cellular and Molecular Biology selected for the CSIR Award for S&T Innovations for Rural Development (CAIRD)-2014. Dr. E. K. Janakiammal Memorial Lecture during 29<sup>th</sup> Kerala Science Congress 2017. Prof. K.K. Nanda Memorial Lecture Award-2019 of Indian Society for Plant Physiology.





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Email: [rao.ramgopal@gmail.com](mailto:rao.ramgopal@gmail.com), [director@iitd.ac.in](mailto:director@iitd.ac.in)

B. Tech. ([Kakatiya University](#) 1986) and M. Tech. ([IIT Bombay](#) 1991). Ph. D Nanoelectronics [Bundeswehr University Munich](#), Germany(1997) Post-doctoral Fellow at the [University of California](#) (1997 to 1998).

Before joining IIT Delhi as the Director in April 2016, Dr. Rao served as a P. K. Kelkar Chair Professor for Nanotechnology in the Department of Electrical Engineering and as the Chief Investigator for the Centre of Excellence in Nanoelectronics project at IIT Bombay. He over 450 research publications and has on 40 patents and patent applications, which include 15 issued US patents. Eleven of his patents have been licensed to industries for commercialization. Prof. Rao is a co-founder of two deep technology startups at IIT Bombay ([Nanosniff & Soilsens](#)). He served as the Chairman, IEEE AP/ED Bombay Chapter and as a Vice-Chairman, IEEE Asia Pacific Regions/Chapters sub-committee for two terms. He was the first elected Chairman for the India section, American Nano Society (2013-2015).

AWARDS & HONOURS: Recipient of the Shanti Swarup Bhatnagar Prize in Engineering Sciences (2005) and the Infosys Prize (2013). Swarnajayanti Fellowship award from the Department of Science & Technology, IBM Faculty award, Best Research award from the Intel Asia Academic Forum, TechnoMentor award from the Indian Semiconductor Association, DAE-SRC Outstanding Research Investigator award, NASI-Reliance Platinum Jubilee award, J.C.Bose National Fellowship, Prof. C.N.R.Rao National Nanoscience award, VASVIK Award and the Excellence in Research Award from IIT Bombay. Prof. Rao was an Editor for the IEEE Transactions on Electron Devices during 2003-2012 for the CMOS Devices and Technology area and currently serves on the Editorial boards of other journals. He is a Distinguished Lecturer, IEEE Electron Devices Society and interacts closely with many semiconductor industries both in India and abroad. The Infosys Prize 2013 for Engineering and Computer Science, "2005 "Dr. Shanti Swarup Bhatnagar Prize in Engineering Sciences" presented (S.S.Bhatnagar Prize) (2012).Prof. C.N.R. Rao Bangalore INDIA NANO Science Award (2016). J.C.Bose National Fellowship, (2016). Telangana State Award for Science & Technology, (2016). The National Academy of Sciences, India (NASI)-Reliance Industries Platinum Jubilee Award (2014. 2010) "DAE-SRC Outstanding Research Investigator" award (DAE-SRC), (2009) Indian Semiconductor Association's (ISA) TechnoMentor Award. 'Swarnajayanti Fellowship' Award (2003-04), "Industrial Impact Award" (2008) 2016 VASVIK Award Fellow, IEEE (2017). Fellow, Indian National Science Academy (INSA), New Delhi. Fellow, Indian Academy of Sciences (IASc), Bangalore (Indian Academy of Sciences). Fellow, The National Academy of Sciences, Allahabad (The National Academy of Sciences). Fellow, Indian National Academy of Engineering (INAE) (Indian National Academy of Engineering). Fellow- IETE & Invited Member-Society for Cancer Research and Communication ([www.scraci.com](http://www.scraci.com)) & Senior Member, IEEE. Editor, IEEE Transactions on Electron Devices (2003-2012) (IEEE T-ED Editorial Board). (2008), (2007) IBM Faculty Award (IBM Faculty Award). Best Research Paper Award, Global Interposer Technology (GIT) Workshop: Design, Technologies, Applications, Markets and Manufacturing Infrastructure, (2011), Georgia Institute of Technology, Atlanta Georgia USA.





**Name:** Dr. A. Ramkishan  
**Born:** 25-5-1972  
**FTAS:** TAS/ 2016  
**Address:** Deputy Drugs Controller(India),CDSCO, Ministry of Health and Family Welfare, DGHS, WEast Zone, Kolkata-700020.  
**Mobile:** 8447261567, Tel: 033-22870513  
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D. Pharmacy (1987 - 1989), Parkal, Warangal, B. Pharmacy (1989-1993) Kakatiya University, Warangal,

M. Pharmacy (1994-1996) Kakatiya University Warangal. Ph. D. (2003-2006) – Gujarat University, Ahmedabad.

**Books Published:** “Research Papers: 30 Books. Pharmacy Pathfinder (Part I) “three editions in 1999, 2002 & 2011 “Pharmacy Pathfinder (Part II) “First Edition in 2005 for various competitive exams like NAPLEX & FPGEE-USA, GPAT and Pharmacist recruitment, UPSC, TSPSC etc. Supervisor for guiding PhD students.

**Awards and Honors :** NATA award 2014 by USA NATA presented at Georgia, Atlanta, USA, on 3<sup>rd</sup> July – 2014. Distinguished award for excellence in regulatory affairs by Indianapolis-USA 2017. Recipient of appreciation letters by CDSCO, Ministry of Health for outstanding performance in NRA WHO Re-benchmarking assessment performed by WHO team along with 15 countries Regulatory experts, February 2017. Best Drugs Inspector Award – 2005 by All India Drugs Control Officers Confederation (AIDCOC), Mumbai held at Vishakhapatnam–(AP) during April 29-30 - 2006. Incentive for Ph.D. award by Ministry of Health & Family Welfare, Govt. of India, during the service - 2007. F.D.A. Person of the year award by 54<sup>th</sup> Indian Pharmaceutical Congress (IPC) Trust, Pune, for the year 2007-2008. Best Drugs Control Officer Award by All India Drugs Control Officers Confederation AIDCOC during the 61<sup>st</sup> IPC- Ahmedabad – 2009. B. V. Patel Gold Medal and Silver medal on National Essay Competition by PERD Centre during IPC held in Chennai & Bangalore– 2011&2012. M.L Khorana memorial award 2012 for best Research paper by IPA at Bangalore. Fellow of Indian Pharmacological Society (FIPS) by IPSCON 2015 at Chandigarh and Eminent Pharmacologist award (Govind Achari Oration ) by IPS at Guwhati. Fellow of Telangana Academy of Sciences (FTASc) by Telangana Academy 2016. Pharma Ratan award by NGO New Delhi 2017 and also Govind Achari oration award 2013

	<b>Name</b>	:	<b>Ranganath, Navalgund</b>
	<b>Born</b>	:	17-03-1948
	<b>FTAS</b>	:	TAS/2001
	<b>Address</b>	:	Dahlia-201, Esteem Garden ia Apts., Sahakar Nagar, Bengaluru-560 092
	<b>Mobile</b>	:	<b>9900036229; Off: 080-22172402; Res:080 - 23620682</b>
	<b>E-mail</b>	:	<a href="mailto:navalrr@gmail.com">navalrr@gmail.com</a> ;

**Academic and Research Activities:** MSc(Physics), Indian Institute of Technology, Bombay,1970 Ph D , Tata Institute of Fundamental Research, Bombay University,1977 R&D contributions to the field of Remote sensing/earth observations science, technology and applications at the Space Applications Centre (ISRO), Ahmedabad and National Remote Sensing Agency (DOS), Hyderabad during 1977 to 2012.Currently Vikram Sarabhai Distinguished Professor at ISRO HQ, Bangalore since May 2012

**Other Contributions:** Fellow, Indian Academy of Sciences, Bangalore; President of the Technical Commission of the International Society for Photogrammetry and Remote Sensing for the period 2000-2004; Member, ISPRS Policy Advisory Committee; Academician, International Academy of Astronautics; President, Indian Society of Remote Sensing, Dehradun, India (2004–06, 2010-12); President, Indian Society of Geomatics (2008-11); Fellow, Astronautical Society of India, Bangalore; Fellow, Indian Geophysical Union, Hyderabad; Fellow, Indian Society of Remote Sensing, Dehradun; Fellow, Telangana Academy of Sciences, Hyderabad; Fellow, Gujarat Science Academy, Ahmedabad; Co-chair of the Indo-US Joint Working Group on Civil Space Co-operation (2005-12); Co-chair, ISRO European Space Agency Joint Working Group on Earth Observation.; Co-chair, ISRO-CNES Steering Committee for Megha-Tropiques; Chair, Working Group of International Academy of Astronautics on Disaster Management/Natural Hazards.;Leader of the Indian delegation and Joint Working Group between the Chinese Space Agency and ISRO; Responsible for the establishment of India-Myanmar Friendship Remote Sensing Centre at Yangon, Myanmar; Principal Member of the Group on Earth Observation [Global Earth Observation System of systems (GEOSS)] (2003 –2011); Member of the International Ocean Colour Coordinating Group (IOCCG) (1999-2003, 2005-2009); Member of the Indian delegation to the UN Committee on Peaceful Uses of Outer Space; Member of the ISPRS International Policy Advisory Committee

**Awards & Honours received:** Aryabhata Award, 2012 by the Astronautical Society of India, Bengaluru; Distinguished Alumnus Award 2009 by the Tata Institute of Fundamental Research, Mumbai; Maharana Udaisingh Award for Environment 2009, instituted by the Maharana of Mewar Foundation, Udaipur; ISRO Outstanding Achievement Award 2008; Bhaskara Award (2006) by the Indian Society of Remote Sensing for lifetime contributions in the field of Remote Sensing Technology and Applications; Certificate of recognition for Outstanding Leadership and service to ISPRS: 2004 by the International Society for Photogrammetry and Remote Sensing; Doreen Mashler Award: 2004 instituted by the International Crops Research Institute for the Semi-Arid Tropics; VASVIK Award: 2003 by Vividhlaxi Audhyogik Samshodhan Vikas Kendra, Mumbai; Prof. K.R. Ramanathan Memorial Lecture 2002 – Gold Medal instituted by the Indian Geophysical Union given at the 40th Annual Convention of IGU, Chennai, December 17, 2003; ASI Award (1996) by the Astronautical Society of India, Bangalore (Affiliated to the International Astronautical Federation).

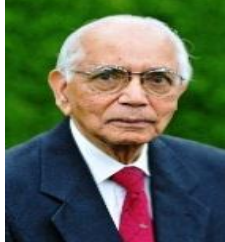


**Name:** Dr. Ranjan Sen  
**Born:** 16-11-1967  
**Elected:** TAS/2017  
**Address:** CDFD, Inner Ring Road, Uppal, Hyderabad -500039  
**Mobile:** 91-9866122652  
**E-mail:** [rsen@cdfd.org.in](mailto:rsen@cdfd.org.in)

M.Sc. (Biophysics and Molecular Biology), Calcutta University, 1990. Ph. D. (Biophysics and Molecular Biology), Calcutta University, 1996. Post-doctoral Researcher at NIG, Japan and NIH, USA from 1995-2001. Joined CDFD, Hyderabad in 2002. Served as Director In-charge of CDFD during 2016-2017. Scientist-VII at CDFD since 2017.

**Academic and Research Achievements:** Guided 10 Ph. D. students and at present guiding 5 more. Research interest in bacterial transcription, bacteriophage metagenomics, phage therapy and synthetic biology. His lab uses techniques of Genetics, Molecular Biology, Biochemistry, Biophysics etc. He has published about 50 papers and is recipient of National and International Grants.

**Awards and Honors:** Recipient of UGC-JRF fellowship, NIG, Japan Mongbosu Visiting Scientist Fellowship, NIH Fogarty visiting Fellowship, NIH-GRIP research Grant award, Wellcome Trust Senior Fellowship, DBT Bioscience Award, GRC membership, DST-Swarnajayanti Fellowship. Elected fellow of Indian Academy of Sciences (FASc), Bangalore, Fellow of Indian National Science Academy (FNA), New Delhi, Fellow National Academy of Science (FNASc), Allahabad, and fellow of Telangana Academy of Sciences (FTAS).


	<b>Name:</b> C.R. Rao, Ph.D., Sc.D. (Cantab), FRS <b>Born:</b> 10-09-1920 <b>FTAS:</b> TAS/1990 <b>Address:</b> 29 Old Orchard St., Williamsville, NY 14221 <b>Phone:</b> 716-817-6469 <b>Email:</b> <a href="mailto:crr1@psu.edu">crr1@psu.edu</a>
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MA, mathematics , (AU, 1940-1941), joined the (ISI), Calcutta and received an MA in statistics from the newly developed program at Calcutta University in 1943. In 1948, Rao also received his Ph.D. degree under the guidance of the celebrated statistician R.A. Fisher in Cambridge University, UK. Later in 1965, Rao was awarded the prestigious Sc.D. degree of Cambridge University based on peer review of published work. He was also made an Honorary Life Fellow of Kings College Cambridge, in 1974. During his career, Rao has received 38 Honorary Doctorate Degrees from Universities in 19 countries spanning six continents.

**Employment:** He worked in various capacities at ISI over a period of 40 years (1940 -1980) as Head of Research and Training School, Director, Jawaharlal Nehru Professor, and National Professor. After retirement from ISI, Rao worked for another 30 years as University Professor at the University of Pittsburgh, as Eberly Professor of Statistics at The Pennsylvania State University and currently at the age of 97, Rao has the designation of Research Professor at the University at Buffalo. He also serves as advisor to the CR Rao Advanced Institute of Mathematics, Statistics, and Computer Science, housed in the Hyderabad University campus, Hyderabad, India.

**Research Activities:** Rao is the author of 475 research papers published in prestigious journals and the author 14 books. Rao's research, scholarship, and professional service have had a profound influence on the theory and applications of statistics. He was one of the pioneers who established statistics as a firmly grounded science. His first paper published in 1945 provided a solid foundation to the theory of estimation and resulted in the technical terms, Cramer Rao Bound and Rao Blackwellization and introduced differential geometry concepts in statistical inference, which led to the technical terms, Rao Distance and Fisher Rao Metric. His subsequent research resulted in a new test of hypothesis known as Rao's score test and Orthogonal Arrays described by Forbes Magazine, 1996, as a *new manthra* for industrial experimentation with a large number of factors to design products of good quality. Rao also left an indelible stamp on several other areas of statistics. The Rao's least squares generalizing Gauss-Markoff theory of least squares, Rao's U test and MANOVA in multivariate analysis, generalized inverse of a matrix, Fisher-Rao theorem on second order efficiency of estimators, Rao's Quadratic Entropy, Analysis of Diversity, Rao-Khatri-Kagan-Linnik-Shanbhag theorems on characterization of probability models, and Burbea and Rao divergence measures are some of Rao's significant contributions.


**Awards and Recognitions:** Rao has been the president of all prestigious statistical associations including the International Statistical Institute (Netherland), Institute of Mathematical Statistics (USA), and International Biometric Society (USA). He is a Fellow of the Royal Society, UK, Indian National Science Academy, National Academy of Sciences, USA, Lithuanian Academy of Science, Third World Academy of Science, and an honorary Fellow of the European Academy. Rao is the recipient of the highest honors given to a scientist: National Medal of Science presented by the president of USA, (2002), India Science Award presented by the prime minister (2010), and the Guy Medal in Gold awarded by the president of Royal Statistical Society (2010)-the first non-European and non-American to receive the award. His other awards include the Bhatnagar award (1963), Padma Vibhushan, the second highest civilian from the Government of India, (2003), International Mahalanobis prize (2003), Neyman Medal from the Polish Statistical Society (2014), Ramanujan Medal from Indian National Science Association (2003), Army Wilks Medal, American Statistical Association, (2000), Mahalanobis Birth Centenary Medal (1996), Wilks Medal (1989), Jagadish Chandra Bose Medal of Bose Institute (1979), Megnad Saha Medal (1969).

	Name : Rao, E. V. R. Born : 10-10-1936 FTAS : TAS/1991 Address : "Aaditya", B-13, Vikramপুরi, Secunderabad – 500009 Mobile : 917720491 E-Mail : <a href="mailto:raoevr9@yahoo.co.in">raoevr9@yahoo.co.in</a>
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Dr. E.V.R. Rao had a brilliant academic career having stood first in the Andhra University in B. Sc (Hons) in 1956.

**Academic and Research Achievements:** He joined the First Batch of the BARC Training School and came under the influence of Dr. Homi J Bhabha for building a strong indigenous base for the Nuclear Industry. His training and work experience at the Argonne National Laboratories at Argonne, Illinois, USA and the subsequent Research and Development work carried out by him at BARC, enabled him to shoulder the responsibilities, indigenous Electronics Industry, ECIL at Hyderabad. He successfully translated know how generated at BARC into economically viable products at ECIL. Dr. Rao was responsible for transferring know how to Egypt for the manufacture of Geiger Muller counters for nuclear radiation detection at their Atomic Energy Establishment in Cairo in the year 1971. In a long and distinguished professional career at various levels at ECIL, Dr. Rao took special interest in the indigenization and industrialization of the Electronics and Industrial Sector. Because of his extraordinary ability to interface with R&D and Manufacturing sectors with equal facility, vital equipment such as "E" type excitation equipment for Railways, Sound Ranging Systems for Army, Automatic Data Handling Systems for Air Force (to name a few) were taken as laboratory models from CEERI, Pilani, LRDE, Bangalore, and TIFR, Bombay respectively and delivered fieldworthy models meeting stringent requirement of the users. Under his direction the Turbine Supervisory Electronic equipment for 210 MW Turbines was designed and supplied to BHEL, Haridwar for use by the Electricity Boards. He was instrumental in initiating the development of Fiber Optics Applications along with IIT, Madras under the UNDP Project FOSSAP, to bring out rugged models for field evaluation. Some of the equipment include Railway Signaling Systems equipment, control Harness for Battle Tanks and Fiber Optic Link for remote Patrol Vehicles etc.,

**Other Contributions:** Dr. Rao also led a team in ECIL for the development and production on mass scale of the Electronic Voting Machines to meet the exacting needs of the Election Commission. As a member of the Central Team to suggest equipment for Airport Security he was responsible for the introduction of state of art X-ray Baggage Scanning machines in all Air ports and Customs counters. The machines have been successfully indigenized and manufactured at ECIL. He was the Founder Chairman of the Hyderabad Chapter of the Instrument Society of India and coordinated its activities for several years. After superannuation from ECIL as Director (Technical) on its Board, Dr. Rao worked as a National Expert for UNDP and their aided Projects. Technical Advisor to USA based multinational company called OSI Systems Inc. He won the Metcalfe Gold Medal for the best thesis on the subject of " Super-regenerative Oscillator Technique for the study of Nuclear Magnetic Resonance " in 1957.

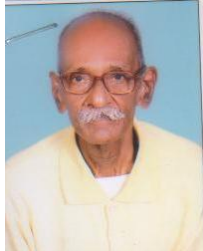
	<b>Name : Dr. Ratnakar J.</b> <b>Born : 01-07-1956</b> <b>FTAS : TAS/2010</b> <b>Address : H. No: 16-11-509/401, Sri Shailaja Emerald Apartments, Dilshuknagar, Hyderabad – 500 06</b> <b>Mobile : 9492923966; Off: 040-27682338;</b> <b>E-mail: <a href="mailto:jrtknkr@yahoo.com">jrtknkr@yahoo.com</a></b>
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M. Sc., Geology, OU , Gold Medalist. Ph. D. OU, joined OU as lecture and elevated professor

**Academic and Research Achievements:** Principal Investigator, DST and UGC. Head, Dept. of Geology, Chairman, Board of Studies in Geology, Conducted a National Seminar on “Challenges in Vice-Principal, University College of Science, Osmania University, Saifabad, Hyderabad, for 3 years. Presented a paper at the International Seminar at University of Quebec, Montreal, Canada.; Visited Labs of Prof. Keith Bell in the Dept. of Geology, Carleton University, Ottawa, Canada. ; Member, Executive Committee, Indian Society of Applied Geochemists, Hyderabad. Attended Short Course on ‘Modern Practices in petroleum exploration’, KDMIP, Dehradun,.

**Other Contributions:** Published 91 Research papers Supervised 5 PhDs’ Reviewed a book on “Geology and Geochemistry of the Magmatic rocks of the Malani Igneous Suite and Tertiary Alkaline Province of Western Rajasthan” by Bhushan, S. K. and Chandrasekharan, V. for Jour. Geol. Soc. India, v. 62, pp. 257-259. Reviewed a book on “Applied Geochemistry of Energy Resources and Precious Metals”, for Jour. Geol. Soc. India, v. 74, pp. 647-650.; President, Osmania Geology Alumni Association (OGAA), Hyderabad.; Hyderabad Centre; Member, ‘Geology Colloquium-2013’. Osmania University, 2003.; Member, Centre for Research Development and Consultancy Services (RDCC), OU; Member, Review Committee, XII Plan Proposals of Osmania University, OU, Hyd; Coordinator, Organizing Committee, Two day National Seminar on ‘Emerging Trends in Geosciences’, Bhavan’s New Science College, Hyderabad. Member, Core Group for Brain Storming Session on Precambrian crustal evolution and metallogeny during ‘Regional Brain Storming Session on 36<sup>th</sup> IGC: A Unique Opportunity for Advancement in Geosciences” Geological Survey of India, Hyderabad.

**Awards and Honours:** Fellow, Geological Society of India, Bangalore.; Fellow, Mineralogical Society of India, Mysore. Fellow, Indian Society of Applied Geochemists, Hyderabad.; Fellow, Indian Academy of Geoscience, Hyderabad.; Best Research Paper Awardee, Geol. Min. Met. Soc. India, 1983.; Young Scientist Awardee, AP Academy of Sciences, 1989; UGC Career (Research) Awardee in Earth Sciences, 1994; Visiting Fellow at Univ of Wyoming, Laramie, USA, (1996-97): Visited isotope Labs of Carleton University, Ottawa, Canada(2006).; Member, Organizing Committee, 7<sup>th</sup> Internat. Conference on ‘Geoscience Education’, Hyd., (2015). Member, Geoscience Advisory Council (GAC), Ministry of Mines, Government of India, (2012-16). Organised Earth Science Olympiad, Hyderabad Centre, (2011, 2012).

	Name : <b>Prof. Ratnam C.V.</b> Born : 15-11-1932 FTAS : TAS/1980 Address : 2-1-406/A,Nallakuta,Hyderabad-500044 Mobile : E-Mail : <a href="mailto:cdiwakar@gmail.com">cdiwakar@gmail.com</a>
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#### **Academic and Research Achievements:**

He got his MSc in 1954 and PhD in 1958 from Osmania University. 14 students have received their PhD Degrees under his supervision.

#### **Other Contributions:**

He worked at University of Nottingham , UK and at University of California, Barkley, USA as part his post doctoral research.




	<p><b>Name:</b> Dr. Ratnavathi, C.V.  <b>Born:</b> 10-06-1961  <b>FTAS:</b> TAS/2019  <b>Address:</b> Principal Scientist, Biochemistry, ICAR-Indian Institute of Millets Research  <b>E-mail:</b> <a href="mailto:ratnavathi@millets.res.in">ratnavathi@millets.res.in</a>  <b>Mobile:</b> 91-9885634810</p>
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M.Sc, M.Phil (Biochemistry) from School of Life Sciences, University of Hyderabad, Hyderabad Ph.D. (Biochemistry), 1984, Osmania University, Hyderabad 1998 on "Substrate suitability, resistance to mould damage and aflatoxin elaboration in grain sorghum". Selected as Scientist in Agricultural Research Service of Indian Council of agricultural Research, served as scientist in Central Tobacco research Institute, Rajahmundry from 1985-1989. Since 1989 working in various capacities and presently as principal scientist from 2006 to till date in ICAR-Indian Institute of Millets Research, Hyderabad.

**Academic and Research Achievements:** Guided 3 Ph. D. students and 12 M.Sc students, Research interest in nutritional quality of millets, functional foods of millets, and value addition to sorghum and millets for nonfood uses. A process patent for preparation of flakes from sorghum grain was obtained. Research on bioenergy from sweet sorghum stalk juice, syrup from sweet sorghum stalk, sorghum as an adjunct in lager beer brewing industry, food safety and mycotoxins in millets are some of the major focus areas. Dr. Ratnavathi published 100 research articles, in international journals 15 book chapters and 8 books. Dr. Ratnavathi has undertaken several projects as principal Investigator such as NATP project on value addition, ICAR network project on food safety, NAIP project on millet foods, NFBSFARA project on sweet sorghum and two DBT projects on functional foods and fortified millet foods, project on grades and standards under millet mission programme. She has vast experience in food safety research and her work was cited by CODEX committee.

**Other Contributions:** Pilot scale experiments were conducted to prove the technology of bioethanol as biofuel from sweet sorghum with three sugar industries with different genotypes in Karnataka and Andhra Pradesh. Pilot scale experiments were also organized with Hindusthan Breweries Limited, Thane, Mumbai for the use of unmalted sorghum as adjunct in lager beer production.

**Awards and Honors:** Elected fellow of Andhra Pradesh Academy of Sciences (APAS) and She is a resource person for many national and international training programmes and a recognized reviewer for many international journals. She has also participated in international research programmes at Queensland University, Brisbane, Australia, Purdue University, West Lafayette and Texas A&M University, Texas, USA. She is an expert reviewer for BBSRC, UK funded projects. She is a member of the scientific panel of FSSAI for Cereals, pulses and oil seeds and products including bakery two times.


	<b>Name:</b> Prof. Ravi Kumar Gutti. <b>Born:</b> 12-09-1974 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> School of Life Sciences, Department of Biochemistry University of Hyderabad, Hyderabad -500046 <b>E-mail:</b> <a href="mailto:guttiravi@gmail.com">guttiravi@gmail.com</a> , <b>Mobile:</b> +91-9052665597
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B. Sc. (Biochemistry), Andhra University, 1995, M. Sc. (Biotechnology), University of Hyderabad, 1997 and Ph. D. (Molecular Biology and Biotechnology), IARI New Delhi, 2003. Extensive research and teaching experience from Harvard Medical School (USA), National Institutes of Health (USA), Moffitt Cancer and Research Center (USA) and RWTH Aachen (Germany). Joined University of Hyderabad in 2010 as an Assistant Professor and since 2018 Professor in the School of Life Sciences at University of Hyderabad.

**Academic and Research Achievements:** Guided 4 Ph.D. students and 40 M.Sc students. Research interest is in Developmental Biology, viz. Stem Cell Biology, Molecular and translational medicine. He received prestigious NIH Fogarty Fellowship to carry out advanced research at National Institute of Child Health and Human Development of the National Institutes of Health (USA). His research is focused on Newborn Diseases with particular emphasis to Thrombocytopenia (low platelet count), which has been recognized as an important maternal and child health mandate by the Indian Council of Medical Research. In India, around 50% of infants admitted to Neonatal Intensive Care Units develop bleeding disorders due to low platelet count, and this could lead to brain hemorrhage. The molecular mechanisms leading to the development of Thrombocytopenia in neonates is poorly understood, which impaired our ability to understand and treat this disorder effectively. Due to his research credentials, he was selected for Royal Society Award (UK) for Established Scientists. One filed Indian patent to his credit. Published more than 40 peer reviewed articles in International journals.

**Other Contributions:** His research is focused on understanding the low platelet diseases both at molecular level and at microRNA level. First time unveiled the novel role of let-7b/Fzd4 axis on mitochondrial biogenesis through Wnt signaling in neonate and adult platelet production. He also found novel miRNA locus involved in megakaryocyte development in humans. His research under Indo-German DAAD collaboration investigated transcript and protein abundance of NFAT5, SGK1, ORAI1/2/3, and STIM1/2 in platelets isolated from patients with impaired kidney function. Also, his research identified alternate treatment options for thrombocytopenia, and compounds with therapeutic potential for treating the disease.

**Awards and Honors:** Recipient of Chancellors Award from University of Hyderabad for making significant contributions to teaching and research in the university. His contributions to the research have been well received by several national and international organizations including International Society for Stem Cell Research (USA), FIRM- Tissue and Cell Engineering Society (UK), International Union of Biochemistry and Molecular Biology (Canada), Japanese Society of Hematology (Japan), Korean Society of Laboratory Medicine (Korea), Singapore Stem Cell Society (Singapore), Pan Pacific Symposium on Stem Cells and Cancer Research (Taiwan) and Korean Society of Hematology (Korea) for various awards. National funding bodies have recognized the potential of his research in the form of DBT-Innovative Young Biotechnologist Award and ICMR-Venkoba Rao Award in Physiology.


	<b>Name:</b> Dr. Ravi Kumar M. <b>Born:</b> 31-05-1964 <b>FTSA:</b> TAS-2014 <b>Address:</b> Scientist-G, CSIR-NGRI, Hyderabad-500 007 <b>E-mail:</b> <a href="mailto:mravingri@gmail.com">mravingri@gmail.com</a> <b>Mobile:</b> 8985998475
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MSc (Tech.)-Geophysics (OU), PhD-Seismology (OU): His research over the past 29 years has tried to unravel the relation between the deep structure of the disparate geological provinces and their evolution through time. He designed and executed passive seismological experiments in geologically complex and diverse terrains in the Indian shield, eastern Himalaya and the Andaman subduction zone. He has developed and applied innovative seismological techniques to investigate the shear structure, composition and deformation of the lithosphere and sub-lithospheric mantle and decipher their bearing on the evolution of the disparate geological terrains and seismogenesis. Visiting scientist to Earthquake Research Institute, University of Tokyo, GeoForschungZentrum, Potsdam, IGP Paris and Department of Earth and Ocean Sciences, University of British Columbia.

**Academic and Research Achievements:** Demonstrated plume signatures beneath India, in terms of low shear wave speeds in the sub-lithospheric mantle and a hotter transition zone, in comparison with the global Precambrian shield regions. Provided seismological evidence for flexure in the Indian continental lithosphere with a wavelength of ~1000km, caused by the India-Eurasia collision. Estimated the crustal composition of the Indian, Arabian and South African shields. Documented evidence for attrition and preservation of lithospheric roots beneath India. Characterized the deep structure of the Godavari rift. Demonstrated presence of rift orthogonal crustal anisotropy in the Narmada rift with substantial evidence of magmatic underplating in the lower crust. Provided evidence for an anomalous upper mantle beneath the northwestern Deccan Volcanic Province and proposed that the lithospheric architecture coupled with the reactivation of pre-existing rift systems has facilitated the eruption of the basalts, for which source signatures are still retained in the upper mantle. Shown evidence for two layers of seismic anisotropy beneath India. Reported the presence of X (300 km) discontinuity for the first time in the Indian region. Shown evidence for dominance of transverse tectonics in the Sikkim Himalaya. Demonstrated evidence for remnant detached lithospheric fragments resting within the mantle transition zone beneath the eastern Himalaya and southern Tibet, Inferred the presence of high velocity slab graveyards atop the core mantle boundary (CMB) beneath the Indian Ocean Geoid Low and anisotropy in the D'' layer. Prepared a new probabilistic seismic hazard map of India. Documented evidence for cessation of subduction in the Burmese arc.

**Other Contributions:** Published over 110 research papers in peer-reviewed journals and guided 12 PhD students. Associate Editor of Journal of Earth System Science.

**Awards and Honors:** **Gold Medal** of Association of Exploration Geophysicists, **National Geoscience Award**, 2009, **Certificate of Merit in CSIR Leadership Development Program**, **Visiting professorship** of the University of Tokyo, and Gujarat Academy of Sciences.


	<p><b>Name :</b> Prof. Ravinder V.</p> <p><b>DOB:</b> 28-03-1958,</p> <p><b>FTAS :</b> TAS/2011</p> <p><b>Address:</b> UGC-BSR Faculty, Department of Chemistry, Kakatiya University, Warangal – 506009, Telangana State.</p> <p><b>E-mail:</b> <a href="mailto:vadderavichemku@gmail.com">vadderavichemku@gmail.com</a>, <a href="mailto:ravichemku@yahoo.co.in">ravichemku@yahoo.co.in</a>,</p> <p><b>Phone :</b> 9533945588, Res: 0870-2575888</p>
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M.Sc. Chemistry from KU in 1980 and stood 1<sup>st</sup> in 1<sup>st</sup> with Gold medal and obtained Ph.D with CSIR fellowship. Joined in Kakatiya University as lecturer(1984) and became Professor (2005), As a DAAD Fellow worked on water-soluble Organometallics at TU-Berlin, Germany (1990-1992). Visited St-Andrews University, Scotland, UK and University of Paris (1992) as a visiting scientist. He visited University of Oakland, Yale, Michigan, Alabama, Florida, [Pennsylvania](#) and Princeton Universities in USA during (2008).

**Academic and Research Achievements:** Dr.V. Ravinder Worked on Organometallics, Catalysis, Coordination Chemistry, Nanoscience, Medicinal Chemistry, Green Chemistry and Environmental Chemistry. He has wide experience on the water-soluble catalytic properties of pendant polar tertiary aryl organometallics in the organic transformations of industrial interest. Some of which are commercialized by Specialty Chemical Services (SPECS) NL 2508CG The Hague, Niederlande. He has investigated the structure and functional relationship between the biologically active Schiff-base macrocycles and Rh(I), Ru(II), Co(II), Ni(II), Cu(II), and Pd(II) metals also used them as catalysts on drug precursors. He is also working on novel organic- and organometallic-N-Heterocyclic Carbenes (NHCs) and their catalytic applications for selective organic reactions such as Baylis Hillman, condensation, oxidation, hydrogen transfer reaction, 1,3-dipolar cycloaddition, tandem, multicomponent, cross-couplings (i.e. Heck, Sonogashira, Suzuki and Negishi) and structural modification of natural products and biological activities of novel organic- and organometallic-N-Heterocyclic Carbenes (NHCs). He is also working on C-H activation, metal catalyzed organic synthesis and ring modification of some biologically active precursors like Podophyllotoxin as potential tubulin polymerization inhibitors. Guided 30 Ph. D and 6 M.Phil students. Presently 5 research scholars for Ph. D and 1 PDF are working. Published more than 150 research articles in peer reviewed journals. He is handling many national and international projects on collaborative research work.

**Other Contributions:** Prof. Vadde Ravinder is presently UGC- BSR Faculty, Department of Chemistry, was Head, Department of Chemistry(2013-15), Development officer, (2008-11) Chairman, Board of Studies in Chemistry, Satavahana and Yogi Vemana (2008-2010). He is extending services as a resource person for UGC academic staff colleges and an expert member for faculty selection in many Universities.

**Awards and Honours:** Fellow of the Royal Society of Chemistry, London,(2014); Recipient of AP Scientist Award by "APCOST-DST", 2011; Recognition by TATA Chemicals & Chemistry Teachers Association India, 2011; Member, Government of India Delegation (Catalysis) to Rostock (Germany), 2011; Recipient of AP Government's "Best Teacher Award", 2010.

	<p>Name : <b>Dr. Dwivedi R.S.</b></p> <p>Born: 09-01-1951</p> <p>FTAS: TAS/2001</p> <p>Address: 24, Sai Ansh Arcade, Trimulgherry Secunderabad-500 015, Telangana</p> <p>E-mail: <a href="mailto:rsdwivedi51@gmail.com">rsdwivedi51@gmail.com</a></p> <p>Mobile: 905240759</p>
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M. Sc (Ag) 1973(Agril. Chemistry), Diploma in French 1975 and PhD.1976 (Micronutrient Interactions in soils) University of Allahabad. Advanced training in Remote Sensing from the University of Berlin, Germany in 1979; joined National Remote Sensing Centre (erstwhile National Remote Sensing Agency) ,Department of Space,Govt. of India, Hyderabad in 1977; pursued research career in applications of remote sensing technology-a new tool, for inventory and mapping of soil resources, and land degradation.


**Academic and Research Achievements:** Published research articles (84) in national and international peer reviewed journals, Authored two books '*Remote Sensing of Soils*' with Springer Verlag and '*Geospatial Technologies for Land Degradation Assessment and Management*' with CRC Press, Taylor and Francis Group; edited two books: '*Remote Sensing Applications*' with National Remote Sensing Centre, Hyderabad , and '*Geospatial Technologies in Integrated Management of Natural Resources*' with Yes Dee Publishers, Chennai, India.

Guided several B.Tech. and M.Tech students, and currently guiding 20 M. Tech students from Jawaharlal Nehru Technological University (JNTUH) Hyderabad , a Ph.D. student from JNTU-Kakinada. He has been offered assignment from the Government of Ethiopia as Professor , Soil Science for a period of 2years (2013and 2014) at Hamaraya University, and at Mekelle University for the period October2015 to Septemebr2017.

**Other Achievements:** Executed/co-ordinated several regional and national-level remote sensing applications projects; coordinated and executed a project titled "Monitoring the impact of soil conservation measures using remote sensing techniques" in part of Chenchu Wareda and adjoining areas of Ethiopia in 1999 in collaboration with the United Nations' World Food Programme; and at National Remote Sensing Centre lead a team of scientists as Head Land Degradation Division/ Head Sustainable Agriculture Division during 1993 to 2004, and superannuated as Group Director, Land Resources in 2011. Referee to International Journal of Remote Sensing, Remote Sensing of Environment, Ambio, Journal of Advances in Space Research-Journal of Indian Society of Soil Survey and Land Use Planning, Current Science, Journal of Indian Society of Remote Sensing and Journal of Indian Society of Geomatics.

**Awards and Honours:** Received awards from Indian Society of Remote Sensing, and Doreen Mashler Team Award; elected fellow of National Academy of Agricultural Sciences, India, Indian Geophysical Union and A.P Akademy of Sciences.

	<b>Name: Dr. Reddy A.S.N.</b>
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	<b>Name</b> :	<b>Prof. Reddy B. N.</b>
	Born :	08-08-1956
	FTAS :	TAS/2013
	Address :	Office: Dept. of Botany, Osmania University College for Women, Koti, Hyderabad-95.
	Mobile :	+ 91 9440115535
	E-mail :	<a href="mailto:reddybn1@yahoo.com">reddybn1@yahoo.com</a>

M.Sc in Biological Sciences (1980), Ph.D. (OU, 1985). Joined OU, as Lecturer in 1989 and elevated to Professor in 2006


**Academic and Research Achievements:** Guided 8 students for Ph.D. Principal Investigator of 3 Major Research Projects funded by UGC. Published 70 research papers in peer reviewed Journals. by reputed ones like Springer, Wageningen Academic Publishers, Netherlands, Author House Publishers USA, Akademiai Kiado, Hungary. Author of a Book on *Systematics and Occurrence of Arbuscular Mycorrhizal Fungi* brought out by Lap in India and in Botany, Palampur participated in 114 conference or presented papers.

Scientific explorations to Lakshadweep, Andaman and Nicobar Islands. Editor of the Book, *Fungal Biotechnology & Plant Pathogen Relations* (Allied Publishers). Collaborative research with International Institutions like ICRISAT, University of Kuopio, Finland, University of Torino, Italy. University of Turku, Finland, USM, Malaysia.

**Other Contributions:** Served as President of *Jana Vignana Vedika* an organization for Science promotion among the masses. Activity Based School Science Teachers Training Programme as a Resource Person in Orientation and Refresher Courses organized by the Academic Staff College, Osmania University. Visited: Austria, Canada, China, Cuba, UK, France, Germany, Hungary, Italy, Malaysia, Mexico, Nepal, Singapore, Slovakia, Switzerland, Turkey, USA.

**Awards and Honours:** Secured 1<sup>st</sup> rank in M.Sc. (1980) Scientific Pool Officer in Osmania University selected for highest scale by UPSC, Delhi. Selected as Visiting Associate by UGC, New Delhi (1993- 1994, IARI, New Delhi). Chairman, Research Assessment Committee (Life Sciences) of IICT, Hyderabad. Member, Roster Committee of the FAO of the United Nations. Member, Executive Committee, Telangana Academy of Sciences. Reviewer /Referee for the Major Research Projects funded by the DST. Member, Administrative Committee (highest decision making body) of Andhra Mahila Sabha. Member, Academic Advisory Body of St. Pious X Degree & P G College for Women, Hyderabad. Coordinator, UGC, Member, Governing Body & Academic Council, O.U. College for Women. Mentor & Resource Person of INSPIRE Programmes of DST, Govt. of India. Resource Person, I. A.S. Bangalore for improvement of Science Education Programme. Delivered Plenary Lectures in the International IUPAC symposia held at Washington, DC, USA. (2004) and Istanbul, Turkey (2007). Received the Govt. of India's highest National Award (2 lakhs cash, Memento and Citation) on behalf of the JVV in recognition of its outstanding effort for the S & T Communication for the year 2005.



	<b>Name</b>	:	<b>Prof. Reddy D.N.</b>
	<b>Born</b>	:	15-08-1950
	<b>FTAS</b>	:	TAS/2000
	<b>Address</b>	:	Chairman, RAC, DRDO, Ministry of Defence, Lucknow Road, Timarpur, Delhi – 110054 (Res)L: Plot No: 379, Swamy Ayyappa Society, Madhapur, Hyderabad-500 081
	<b>Mobile No</b>	:	<b>08130553399</b>
	<b>E-mail</b>	:	<a href="mailto:reddydn@gmail.com">reddydn@gmail.com</a> ;

Prof. Reddy -Well known and renowned professor in academic circles in the country and abroad. Obtained B.E. (Mechanical Engineering) degree from Osmania University, Hyderabad, M.Tech from IIT Madras, and Ph.D from IIT, Delhi. Dr Reddy served as Chairman, Recruitment & Assessment Centre, DRDO, Ministry of Defence, New Delhi - Secretary level position in Govt. of India, Chairman, Appellate Committee, National Board of Accreditation, MHRD, Govt. of India, New Delhi, Served as Vice-Chancellor, JNT University Hyderabad during 2008-2011 and also In charge Vice Chancellor for Osmania University from Feb. - July 2011, Served as Member, UGC (2012-2015), Regional Chairman AICTE Hyderabad (2008-2013), Served as Principal, University College of Engineering, Osmania University for nearly 8 years, and as Dean Faculty of Engineering for 2 years.


#### **Academic and Research Achievements:**

Dr Reddy specialized in turbo-machinery ,supersonic and scram-jet combustion, high speed centrifugal compressors and diffusers. contributed for power generation through solar photo voltaic technologies spv systems upto 10kw,wind electric generators, biomass energy and biomass gasification, clean coal technologies, energy conservation and waste heat energy recovery systems. guided 15 ph.d 'in the fields mentioned.

#### **Other Contributions:**

He holds life membership in many professional societies like Indian Society for Technical Education, Society for Mechanical Engineers, National Society of Fluid Mechanics and Fluid power, Solar Energy Society of India, Indian Science Congress Association. He is also a Fellow and life member in the Institution of Engineers and Indian Institute of Plant Engineers. He is also Fellow of A.P. Academy of Sciences and Member of Executive Committee of the Academy. World wide exposure is his experience which consists of visiting countries like USA, UK, China, Thailand, Ireland, Malaysia, Ethiopia, Dubai, Kuwait, Italy, Spain, Australia, South Africa and Sweden. He has supervised 15 Ph.D's and has 90 publications to his credit.


**Awards and Honours:** Bharatiya Vidhya Bhavan National Award for Best Engineering college Principal-2003, Eminent Engineer Award(IEI)-2009,2013; Fellow of Andhra Pradesh Akademi of Sciences, Eminent Engineer National Award by Institution of Engineers in 2007, 2009, 2013, Sarvapally Radhakrishnan Award for Academic Excellence in the year 2011, National Haryana Education Award - March 2015 Best research paper award at International Conference on Fluid Mechanics and Fluid Power held in IIT Roorkee (2002). Best research Paper award at National Conference on Fluid Engineering held in Hyderabad (2006).

	<p><b>Name:</b> Dr. Reddy M. L. P.</p> <p><b>Born:</b> 01-06-1955</p> <p><b>FTSA:</b> TAS/2014</p> <p><b>Address:</b> C-Block- 501, Sri Sayi Residency, Tummalagunta, Tirupati - 517502, AP</p> <p><b>E-mail:</b> mlpreddy55@ gmail.com</p> <p><b>Mobile:</b> 9446594906</p>
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**Academic and Research Achievements:** M. L. P. Reddy obtained his MSc (Nuclear and Radiochemistry), MPhil and PhD degrees from the Department of Chemistry, Sri Venkateswara University, Tirupati, Andhra Pradesh. He joined National Institute for Interdisciplinary Science and Technology, CSIR, Thiruvananthapuram-695 019 as a Scientist in 1986 and initiated work on purification of rare earth oxides by solvent extraction for functional applications. Dr. Reddy significant research achievements in the area of materials science and technology are listed below: 1) Developed a non-toxic intense blue inorganic pigment with impressive solar reflectance properties for use in energy saving paint applications 2) Demonstrated a facile molecular approach to generate white light emission by combining carboxylic functionalized poly(m-phenylenevinylene)s polymeric architectures with lanthanide coordination compounds for use in many photonic applications. 3) Designed a red emitting Mitotracker for bio-imaging applications based on europium coordination compounds. 4) Developed red, green and blue emitters for use in lighting applications with excellent quantum yields based on inorganic metal complexes. 5) Developed selective fluorescent chemo-sensors for the detection of explosives (TNT), toxic anions (cyanide) and metal ions (Mercury). 6) Developed selective separation methodologies for the recovery of valuable metal ions (rare earths, Vanadium) from mineral resources and industrial wastes.

Dr. Reddy has published about 250 scientific and 6 review articles in international journals of repute. His papers has high citation index. Many articles published in American Chemical Society and Royal society journals are recognized as Hot and Editors choice articles. Dr. Reddy also has several national and international patents (US, EU, RU, and Germany). He is a recognized supervisor of many Universities for Ph.D program. Under his supervision, 28 Ph.D students obtained Ph.D degrees from various Indian Universities (Kerala, Cochin, Sri Venkateswara and Bhubaneswar Universities). He is a life member of many scientific professional bodies. In 2015, Dr. Reddy retired as a Chief Scientist and Head, Materials Sciences & Technology Division from CSIR-NIIST, Thiruvananthapuram-695019, Kerala.

**Awards and Honors:** He is an elected Fellow of the Andhra Pradesh Akademi of Sciences (APAS) for 2014. He is a recipient of bronze medal from Chemical Research Society of Indian in recognition of his scientific contributions in the field of Chemistry. He is also receipt of Excellent Scientist Award from the Indian Society for Analytical Sciences towards his significant research contributions in the area of science and technology of rare earths for the year 2015. Many of his presentations in national and international conferences are awarded as best paper awards (15). He is receipt of Top cited paper award from Elsevier publishers for his article in the Journal of Dyes and Pigments. He received a Certificate of Membership award of American Chemical Society for the years 2015-2017 and Certificate of Appreciation (December 2011) from American Chemical Society publications for the valuable contribution and dedicated service in the peer review of manuscripts submitted to American Chemical Society journals.

	<p>Name: <b>Prof. Reddy S.M.</b>  Born: 1940  FTAS: TAS/ 1996  Address: H. No: 12-13-1126/B-305, Kalakruti Tarnaka-500017,  Mobile: <b>7901489078</b>  Email: <a href="mailto:profsmreddy@yahoo.com">profsmreddy@yahoo.com</a></p>
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M.Sc. Botany (OU, 1965), Ph. D. Mycology and pathology (JNVYAS University, Jodpur, 1968). Post Doctoral Fellow Under UNESCO Institute of Microbiology, Czechoslovakia (1977-78).

#### **Academic and Research Activates:**

Joined Osmania University Arts and Sciences Collage Warangal in 1970 and moved to Kakatiya University in (1971), Reader (1980), Professor (1992) and superannuation in 2000. Emirates Professor (2002-2004) and continued academic activates in various forms. Research Interests are very wide ranging. Taxonomy of fungi, fungal diseases of crop plant both at pre- and post-harvest, seed born diseases, mycotoxins, soil sickness, anti-microbial agents. Plant- Microbe Interaction, plant litter decomposition and recycling of nutrients, mycorrhizae and crop productivity , biotransform of organic , componnds into value added chemicals an oxygenic photo trophic bacteria and their role in water purification and hydrogen production as alternate sustainable and safe fuel. Forty and three students obtained Ph. D. and M. Phil respectively under his supervision. Published more than 500 in peer reviewed journals,. He successfully completed 21 major Research projects funded by DBT, DST, ICMR CSIR, UGC and A.P Netherlands. Authored/ edited university level books 30 including Telugu Academy, Telugu subject expert for different funding agencies . Hold different academic and administrative positions in University. Such as Principal, University Arts & Science College (1983-88), Development Officer (1988-89), Chef Warden (1989-92), Director PG. Centers (1993-95), Head Dept. of Botany, Chairperson Dept. of Botany.

#### **Awards and Honors:**

Awarded Best teacher by Govt. of A.P(1997), Distinguished teacher of Plant pathology by ISMPP, Udaipur (2000). President Indian Association of Mycology and Plant pathology (2003), President of Plant Sciences section of ISCA (2006), Fellow of IBS, IPS and ISMPP, P. Maheswari Medal of IBS (2012), President of Indian Botanical Society,(2016),


	<b>Name:</b> Prof. Roja Rani A. <b>Born:</b> 07-06-1971 <b>FTAS:</b> TAS/2019 <b>Address:</b> Department Of Genetics and Biotechnology, Osmania University, Hyderabad-500007 <b>E-mail:</b> <a href="mailto:anupallirr@gmail.com">anupallirr@gmail.com</a> <b>Mobile:</b> 91- 9440739631
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Bachelor of Science, Osmania University, Hyderabad, India (1988 – 1991). Assistant Professor, 1997-2006 . Associate Professor, 2006-2012. Professor, 2012-till date. Master of Science (Genetics) Osmania University Hyderabad, India 1992 – 1994. Ph.D. in Life Science (Plant science - Biotechnology) Hyderabad Central University, Hyderabad, India 1994-2002. Post Doctorial in USA Mitchell Cancer Institute, University of South Alabama, USA , 2013-2014

**Academic and Research Achievements:** Guided 18 Ph. D. students Research interest in mammalian cell culture, plant tissue culture , Applied for patent for the compound Acemannan (It works against Anti cancer, Ant diabetic and wound healing from Aloe vera research. ) Imported Aloe ferox seeds from South Africa National Bio-Diversity Institute (SANBI), South Africa for the First Time to INDIA.

**Other Contributions:** Standardization of Tissue culture and Regeneration protocols for Aloe ferox. Identified new principle compound (Acemannan) from Aloe CIM Sheetal through HPLC, NMR and X-ray Crystallography.

**Awards and Honors:** Awarded with the prestigious "**Bharat Gaurav Award**" along with Certificate of Excellence by India International Friendship Society, New Delhi. Awarded with the "**Best teacher award**" on the event of Teachers day celebrations 2016, by Red Cross Society, Hyderabad, Telangana. Life membership in The Indian Science Congress association. Life membership in National academy of biological sciences (NABS). Life membership in Society for Neurochemistry. Life membership in National Academy Scientists Association .Life membership in OWSD.


	<p> Name: <b>Prof. Rudrama Devi K.</b>  Born: 08-02-1955  FTAS: TAS/2005  Address: B-40, Durgabai Deshmukh colony, Bagh Amber pet, Hyderabad-500 013  Mobile: 8790806519  Email: <a href="mailto:rudramadevi_k@yahoo.com">rudramadevi_k@yahoo.com</a>, </p>
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B. Sc. Aligarh Muslim University, (1974), M. Sc. Aligarh Muslim University, (1977) and Ph. D. (OU- 1981). PDF (CSIR), Institute of Genetics & Hospital for Genetic Diseases, (OU, 1982). Joined Pool officer (OU,1983), Lecturer Dept. of Zoology (OU, 1983- 85), as a Reader, Dept. of Zoology (OU, 1989) and Professor Dept. of Zoology (OU, 1998). Teaching course like Cell Biology Molecular Genetic, Human Genetic, Animal Biotechnology, Physiology Chemistry, and Biostatistics etc. Established Toxic genomics and Molecular Biology Research Laboratory and carried- out research in the areas of Environmental Mutagenesis, Genetic Toxicology, Molecular Oncology and Translational Biology, FISH, Nutrigenomics, Cancer Genetics, and Pharmacogenomics. Fourteen (14) Major Research Projects funded by various agencies like University Grants Commission, Department of Atomic Energy, Defense Ministry, Department of Environment ( State as well and Central Governments), Inter University Consortium, and Department of Biotechnology have been implemented and also carried out collective and collaborative research in association with IICT and DIPAS, New Delhi.

Research Supervisor in subjects of Zoology, Genetics and Biotechnology, (18) scholars were awarded Ph. D Degree by the University, working under my supervision . (9) more scholars are pursuing for Ph. D degrees, at present. Published (182) research papers in National & International Journals. Presented (94) Research papers at National and International Seminars & Conferences.

**Academic and Research:** Member, Departmental Committee, OU Hyderabad. Member, Board of Studies, OU Hyderabad. Member-UGC Co-ordination Committee College Services Commission, Andhra Pradesh 1998. Served as Member- Research Board of advisers, American biographical institute, North Carolina, USA. Board of Studies. Health Care Systems Diploma Course OU. Mess Warden, Women hostel 2000-01. Assistant Chief Warden OU, 20001-05. Chairperson- Board of Studies, Department of Zoology, UGS November2001-05. Chairperson- Board of Studies in Zoology, 2005 2007. Chair Person, Undergraduate Course in Sericulture, Dept. of Zoology, OU, 2003-2005. Research Adviser, MNJ Institute of Oncology and Regional Cancer Centre, Hyderabad A.P. . Served as Member State Level Expert Appraisal Committee (SEAC), Ministry of Environment and Forests. Govt. of India 2007-1, 2010 – 2013. Head. Dept. of Zoology, 2007-2009. Chairman, Board of Studies in Zoology, Mahatma Gandhi University, Nalgonda. (2013).

**Awards and Honors:** Sri Shakti Award (2005) by Navakala Vedika. Bharata Rathna Rajiv Gandhi Memorial Award by Navakala Vedika, Jubilee all (2007). Seva Ratna Award (2011) Megacity annual meeting by Dr. C. Narayana Reddy Garu. Awarded UGC-BSR Faculty fellow by UGC, New Delhi.

	<p>Name : <b>Dr. Sabitha Rani A.</b></p> <p>Born : 02-02-1966</p> <p>Elected : TAS/2016</p> <p>Address : H.No.17-127 / 18, East Kalyanpuri, Uppal-500039, Hyderabad</p> <p>Mobile : 9290609610</p> <p>E-mail : sabitaamma@yahoo.com</p>
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M.Sc. Botany (K.U )and Ph. D (CPMB), Dept. of Genetics, Osmania University, Hyderabad, joined the Dept. of Botany, Osmania University in 2007 and presently working as Head, Dept. of Botany, University College for Women (UCW), Koti, Hyderabad. Prior to this, she worked as Post Doctoral Fellow at IICT, Hyderabad.

**Academic and Research Achievements:** Her research interests are mainly on medicinal plants i.e. Tissue Culture studies, Isolation and Bio-evaluation, chemical and molecular characterization of medicinal plants. Published **44** research papers and contributed many book chapters. Completed DST (2) and UGC (2) major research projects, one UGC-MJRP in progress. Organized 3 National Conferences and 2 National Workshops. Presented research papers in International conferences [Charleston, USA, 2009; Beijing, China,2010 ; Dhaka, Bangladesh,2012; Seattle, USA,2012; Kuwait,2013 ; Colombo, Srilanka,2014, Dallas, USA,2016 and Cairo, Egypt,2017]. Two students were awarded Ph.D under her guidance

#### **Other Contributions:**

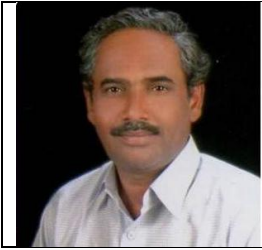
Actively associated in the dissemination of scientific knowledge by Science lectures (Vigyan Prasar, New Delhi), TV Video lesson, guest lecturers and Teleconference organized by BR Ambedkar open University, Hyderabad.

Member of different science activities i.e Jury **for INSPIRE** Science programs, Animal Ethics committee of Gandhi and Osmania Medical College, Hyderabad. Indian Women Scientists Association, Indian Science Congress Association, Tissue culture Association of India, Society for *In vitro* Biology (International) and Organization for Women in Science for the Developing World (**OWSD**).

**Award and Honours:** National Merit Scholarship in S.S.C, 2 gold medals from Kakatiya University, Warangal, Young Scientist (2001) and DST Women Scientist Projects (2003) , New Delhi

	<b>Name: Dr. Sabitha G.</b>
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	<b>Name:</b> Prof. Sadanandam Abbagani <b>Born:</b> 10-01-1956 <b>FTSA:</b> TAS/2015 <b>Address:</b> BSR Faculty Fellow, Department of Biotechnology, KU <b>E-mail:</b> nandamas@gmail.com <b>Mobile:</b> 9849146811
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MSc-Botany (KU, 1998), PhD-Botany (KU), Postdoctoral training at Max-Planck Institute Koln, Germany on DAAD fellowship on protoplast culture and mutant selection in potato. Joined Kakatiya University in 1982 and elevated as Professor in 2000. Visited **State Agricultural Biotechnology Centre, Perth, Australia** Worked with **Prof. MGK. Jones, Director**, on molecular approaches for engineering nematode resistance (Association of Commonwealth Development Fellowship London) 6 months. Visited **Biological Research Centre, Hungary** Worked with **Prof. Peter Medgyesy Group leader** on PEG Mediated Plastid transformation in tobacco (UNESCO-Biotechnology Action Council Fellowship France) 2 months. Visited **Botanical Institute LMU Munich Germany** Worked with **Prof. Reinhold Herrmann**, on knock-outs of PS II genes (DAAD Re-invitation programme) 2 months.

**Academic and Research Achievements:** His research is focused on Genetic Engineering, Plastid transformation, Plant tissue culture, Protoplast studies Root-knot Nematode infestations. He works on conservation of endangered and medicinally important plants through in vitro propagation and developed biotic and abiotic stress resistant plants through genetic transformation for crop improvement. He established protocols for protoplast culture and mutant selection in potato. He also studied nematode plant interactions. He has developed species specific chloroplast vectors for engineering chloroplast genome with desired genes.

**Other Contributions:** Published over 100 research papers in peer-reviewed journals and guided 28 PhD students. Actively involved in various scientific programs for inculcating scientific temper and inspiring school and college students to take up scientific research as their career. Served as Head, Department of Botany, KU (2003-2005). Head Department of Biotechnology, KU (2006-2008). Head, Department of Biotechnology (2010 to 2013). Dean, Faculty of Science, KU (2013- 2015 )


**Awards and Honors:** UGC-BSR Faculty Fellow 2015, AP State Meritorious Teacher Award 2009, AP Scientist Award 2008, DAAD Honorary Advisor (2006-2009), Best Teacher Researcher in Botany (2006), DAAD fellowship (1986-87), DST Young Scientist Project (1990-91), Third World Academy of Sciences Project for Young scientist from Developing countries (1995-96), Association of Commonwealth Universities (ACU, London) fellowship in Biotechnology (1993-94), UNESCO Biotechnology Action Council (France) fellowship (1997), DAAD fellowship (Re invitation) (1999, 2006), National UGC Research Award (1999-2002), Third World Academy of Sciences (TWAS) Associateship (2006-2009), Visiting Research Professor Murdoch University, Australia (2010)

	<p><b>Name:</b> Dr. SAIBABA N.</p> <p><b>Born:</b> 24-05-1954</p> <p><b>FTAS:</b> TAS/2008</p> <p><b>Address:</b> Former Chief Executive, Nuclear Fuel Complex &amp; Former Advisor to Chairman, Atomic Energy Commission, Dept. of Atomic Energy,</p> <p><b>E-mail:</b> <a href="mailto:nsaibaba54@yahoo.com">nsaibaba54@yahoo.com</a>,</p> <p><b>Mobile:</b> 9441480814</p>
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**Academic and Research Achievements:** Manufacturing of Zirconium Alloy Fabrication and Structural for the Indian Nuclear Programme which are used in Boiling Water Reactors (BWR) at Tarapur (TAPS 1&2) and in all the Pressurized Heavy Water Reactors (PHWR) in India. Pioneering contributions in the manufacture of critical core components of Pressured Heavy Water Reactors, Development of Seamless Calandria Tubes for Pressurized Heavy Water Reactors and specially shaped Pressure tubes for Advanced Heavy Water Reactors. Developed Hexagonal Channels for Prototype Fast Breeder Reactors and Square Channels for Boiling Water Reactors through Pilger route.

**Other Contributions:** Led the team in the development of Pressure tubes by “Heat treated and Strengthened route”, also established a new process for manufacture of Double Clad tubes with Zirconium lining. After B.E. Mechanical Engineering (1975), Shri N Saibaba joined 19th batch of (1975-76) Training School of Bhabha Atomic Research Centre, Mumbai, in nuclear engineering and Topped his batch. Then posted to the Nuclear Fuel Complex Bhabha Atomic Research Center, Mumbai.

**Awards and Honours:** DAE Award for Group contribution as Group Leader for three successive years, Indian Nuclear Science Award-(2008), Annual NFC Awards for Meritorious contribution, Outstanding contribution from NFC Management, Outstanding Officer from NFC Management, Homi Bhabha Gold Medal from BARC Training School, Published several papers in the journals participated in many National and International conferences. Sir M. Visweswarayya Award from Institution of Engineers(India), Indian Nuclear Society Award, , Homi Bhabha Award from BARC Society, Indian National Academy of Engineering.

	<p><b>Name:</b> Dr. SAIBABA GOUD A.</p> <p><b>Born:</b> 10-7-1947</p> <p><b>FTAS:</b> TAS/2006</p> <p><b>Address:</b> Ophthalmic Surgeon, Sai jyothi Eye Hospetal, Plot No. 185, Road No.1, Lane Opp. to Om Shanti Tiffin Center, West Marredpally, Secunderabad-500 026</p> <p><b>Mobile:</b> 9394703686</p> <p><b>Email:</b> <a href="mailto:saibaba_goud@hotmail.com">saibaba_goud@hotmail.com</a>,</p>
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Dr. Saibaba Goud is a medical graduate specialized in ophthalmology. He has been doing all along for community ophthalmology, blind children and winning laurels.


As the Founder Chairman and Managing Trustee of **Devnar Foundation for the Blind**, Dr. Goud has been running a Residential English Medium School for the Blind with a strength of 550 children of LKG to 12<sup>th</sup> Standard from all over the Country. Devnar School provides all that is necessary to bring out the best in the blind students in the field of software and engineering. He has developed a modified **Electronic Voting Machine for the blind** in 2014. He rendered the **Bhagawad Gita** into Braille which made its way to the **Limca Book of World Records 2004**.

**Awards and Honors:** The Govt. of India honoured Dr. Saibaba Goud with PADMA SHRI AWARD in 2009. The Braille version of Biography of Sardar Vallabhbhai Patel was brought out by Dr. Saibaba Goud and it was released On 23<sup>rd</sup> July 2014, the Prime Minister of India,.

Dr. Goud received Dr. B. C. Roy National Award and SIVA REDDY INTERNATIONAL AWARD of Ophthalmological Society of India. Dr. Saibaba Goud has thus received six National awards and 20 public and NGO organizations awards.

Dr. Goud is the president of three organizations and engaged in prevention of blindness. He is a Adviser to the National Association for the Blind. Dr. Goud presented several papers in national and international conferences held in different counters.

Dr. Goud is currently engaged in research into Childhood Blindness in Consanguineous Marriages, Low Vision Aids and Assistive Devices for the Blind, Dry eyes and Eye problems in beedi workers. Dr. Goud also received Dr. M. C. NAHATA NATIONAL AWARD (2017) and National award on world Disabled (2017) by President of India.


	<b>Name:</b> Dr. Sai Prasad P.S. <b>Born:</b> 01-07- 1953 <b>FTAS:</b> TAS/2013 <b>Address:</b> Emeritus Scientist (Retd), IICT Uppal Road, Hyderabad – 007. 2-2-1144/17/2, New Nallakunta, Hyderabad 500044  <b>Mobile:</b> 9177230595 <b>E-mail:</b> <a href="mailto:pssaiprasad@gmail.com">pssaiprasad@gmail.com</a> ,
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Chief Scientist & Emeritus Scientist at CSIR-IICT, Presently, Emeritus Professor at JNTU, Hyderabad. M.Tech REC (NIT), (1984) and Ph. D IIT-Madras 1994 in Chemical Engineering. Worked for IICT during 1974 - 2015. Visited Inst. of Catalysis, Novosibirsk Russia (Indo-Russian collaboration); The Open University, UK, (Indo-British collaboration; ACA and Rostock University, Germany (CSIR-DAAD-DST project and as a member of Indian delegation to participate in Indo-German Conference on Catalysis); Technical Univ. of Eindhoven, Netherlands; Technical Univ. of Denmark; Gifu Univ., Japan; AIST, Japan; KRICT, Korea.

**Academic and research achievements:** Has R&D experience in the areas of chemical process development, catalysis and reaction engineering. Published 200 papers in international journals and more than 100 in symposia/conferences. Supervised 20 Ph D theses, 50 M.Tech/M.Sc./B.Tech dissertations and obtained 20 patents. Developed technologies for pyrazinamide, an anti-tubercular drug; vinyl chloride monomer and dioxanone. As Professor of Scientific and Innovative Research (AcSIR) in Chemistry and Chemical Engineering taught Catalysis and Atmospheric Chemistry. Conducted Industrial Catalysis course to post graduate students of JNTU.

**Other Contributions:** Edited two books - one on "Engineering Chemistry" and the other, a Special Issue of Indian Journal of Chemistry on "Catalysis for Efficient Production of Chemicals". Contributed three chapters for two books. Chaired several technical sessions of symposia. Life Member, Catalysis Society of India; Life Member, Indian Institute of Chemical Engineers; Life Member, Material Research Society of India and Life Member, Oil Technologists Society of India. Participated in the meetings aimed at formulation of Vision Document on Clean Coal Technologies organized by the Principal Scientific Advisor to Prime Minister of India, at New Delhi and contributed to the Programme on Carbon Capture and Utilization. Actively participated in CDM activity on global warming. Successfully completed DSIR (Patser); NMITLI and Task Force projects. Member of project review committee on catalysis for GAIL, New Delhi. Member of Academic Board of Jharkhand Central University, Ranchi.

**Awards and Honors:** Herdillia Award for Excellence in Basic Research in Chemical Engineering Kolkata, (2012); Brain Pool Fellowship, Korea, (2008); Japanese Society for the Promotion of Science (JSPS) Visiting Scientist Fellowship, Japan (2002); Dr RBGV Swaika Memorial Award of OTAI (2010); IGCW Green Innovation Award by Green Chemistree Foundation (2013); CSIR-IICT GAURAV SAMMAN-1& 2 (2013); Best Research Paper Award-OTAI (2009); Best paper award CATSYMP-18 (2007); Best Ph.D Thesis award for the Ph D student CATSYMP-17 (2005); Best Paper award (CHEMCON-2005); Best Paper award (2006); Best Performance award for the Highest Impact Factor awarded by IICT on the occasion of CSIR Foundation Day, (1999); Best Performance Award for the highest External Cash Flow by IICT (1998-99); Second Prize for the best overall performance in publications, technology transfer and patenting awarded by IICT (1999).

	<p> <b>Name : Dr. Sangita Mukhopadhyay</b>  <b>Born : 01-01-1966</b>  <b>FTAS : TAS/2016</b>  <b>Address : Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad;</b>  <b>Mobile : 9490751094</b>  <b>E-mail : <a href="mailto:sangita@cdfd.org.in">sangita@cdfd.org.in</a>; <a href="mailto:sangitacdfd@gmail.com">sangitacdfd@gmail.com</a></b> </p>
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**Academic and Research Achievements:** Dr. Mukhopadhyay has spent about 17 years as Staff Scientist at CDFD, Hyderabad and some initial months at CDRI Lucknow. At CDFD, she have initiated a strong research program in understanding the cell signaling networks that are important for macrophage activation and regulation of T cell immune responses. In particular, she is looking at the immunomodulation during tuberculosis and other diseases that are associated with excess inflammation like sepsis and arthritis and designing of appropriate therapeutics to treat these diseases. She has made seminal contributions in understanding how some of the cardinal signaling pathways in host are hijacked by the tuberculosis pathogen to downregulate the host protective immune responses that is required to prevent successful establishment of the disease. Data generated from her research work have important clues towards development/designing of novel drugs and/or immunomodulatory agents with therapeutic potential against tuberculosis and sepsis and arthritis. Another important study by her indicate that excessive free radicals generated in our body due to chronic infection or other pathophysiological disorders can induce immunosuppression by inhibiting Interleukin-12 induction and the protective T-helper 1 type T cell responses. She showed application of antioxidants as therapeutics to boost our immune system. Her research work fetched one international patent and publications in several top-tier peer reviewed International journals.

**Other Contributions:** Dr. Mukhopadhyay has guided/guiding many PhD students, Post-doctoral and project fellows. She has received several prestigious National awards/honors as well as International membership (USA) and Academy Fellows (India). She is a member of various national committees like DBT, Govt of India, DST, Govt of India as well as Nirma University, Ahmedabad. Her contribution has been well recognized by the 'American Society of Hematology (ASH), USA' and 'The American Association of Immunologists (AAI), USA' by electing her as a Member of these prestigious societies.

**Awards and Honours:** Dr. Mukhopadhyay is recognized as a Fellow of the Telangana Academy of Sciences, 2016. She is also a Fellow of the Indian National Science Academy (INSA), New Delhi, 2016; Fellow of the Indian Academy of Sciences, Bangalore, 2013 and Fellow of the National Academy of Sciences of India (NASI), 2010. She has received the prestigious Chaturvedi Ghanshyam Das Jaigopal Memorial Award, 2015 by Indian Council of Medical Research (ICMR); Basanti Devi Amir Chand Prize, 2011 by ICMR, Kshanika Oration Award, 2009 by Indian Council of Medical Research (ICMR); National Bioscience Award for Career Development, 2008; by Department of Biotechnology (DBT), Govt of India; National Young Woman Bioscientist Award, 2007 by DBT; DBT Overseas Associateship Award, 2005; Young Women Bioscientists of Promise Award, 2004; Young Scientist Award by Department of Science and Technology, 2003; Third World Women Scientist Grant Award by TWAS, Italy, 2003 etc.



**Name:** Prof. Sanjeeva Reddy Ch.

**Born:** 01-08-1955

**FTAS:** TAS-129/2010

**Address:** Kakatiya University, Warangal –506 009

, Residency: House No. 2-11-208/1; Flat No. 101;

Hari Hara Towers, KUC 'X' Roads, Hanamkonda – 506 009,

**Mobile:** 98490 77509; **Tel:** 0870- 2420781;

**E-mail:** [chsrkuc@yahoo.co.in](mailto:chsrkuc@yahoo.co.in); [csreddykuc@gmail.com](mailto:csreddykuc@gmail.com)


M.Sc. Chemistry (1978), Ph.D. (1983), joined as Assistant Professor of Chemistry, Kakatiya University, Warangal (1984), served the University for more than 32 years as Assistant, Associate and Professor of Chemistry; Superannuated on July 31, 2015. He also held a Post-Doctoral position as a Common-Wealth Fellow at the University of Lancaster, United Kingdom (1990-1991).

#### **Academic and Research Achievements:**

Involved in Post-Graduate teaching for the past **32** years. Actively involved in research and has published **150** research papers in International & National Journals, presented **45** research articles in International & National Conferences, guided **20** students for Ph.D degree, and **5** students for M.Phil. degree. Successfully completed 7 research projects and published 3 books. Research interests include the Design and Synthesis of structurally and biologically interesting organic molecules and polymers; Development of newer methods for functional group transformations; Homogeneous Catalysis and Kinetics. He has research collaborations with Chemical Genomics Centre of the Max-Plank Society, Germany; University of Lancaster, U.K; University of Talca, Chile; University of Campinas, Brazil; IICT, Hyderabad and completed several research programs successfully. His technical innovations include designing tailor-made new polymeric products through living polymerisation; Development of newer and technologically important Heat & Chemical resistant and Anti-microbial furfural based resins as surface coatings in marine and aerospace applications; Design, synthesis of new and potent bis-heterocyclics as Nematicidal, Anti-mycobacterial, COX-2 selective inhibitors.

**Other Contributions:** He has been assisting K.U administration in different capacities; Actively participated in National Literacy Missions, Health & Environment Camps, Adult Education and other Nation Building Activities. Resource Person for various Community Services, Teacher Training Programmes and Advisor for various Educational Institutions.

**Awards and Honours:** Recipient of Indian National Science Academy (**INSA**) Best Teacher Award (2015); UGC-BSR Faculty Fellowship award (2015); Telangana State Best Teacher Award (2014); Prof. T. Navaneeth Rao, National Best Teacher Award in Chemistry (2012); Common-Wealth Fellowship Award (1990); Fellow of Indian Chemical Society, Calcutta, Polymer Society of India, AP & Telangana Academy of Sciences.

	<b>Name</b>	:	<b>Dr. Sankaranarayana, R.</b>
	<b>Born</b>	:	28-05-1968
	<b>FTAS</b>	:	TAS/2012
	<b>Address</b>	:	Scientist, Centre for Cellular and Molecular Biology (CCMB), Uppal Road, Hyderabad-500 007.
	<b>Mobile</b>	:	<b>9866497744</b>
	<b>E-mail</b>	:	<a href="mailto:sankar@ccmb.res.in">sankar@ccmb.res.in</a> ,

M. Sc. in Physics (from [Madurai Kamaraj University](#) in 1990) and Ph. D. (from the [Indian Institute of Science](#), Bangalore 1996). postdoctoral research at IGBMC, Strasbourg, France (1996-2002). Dr. Sankaranarayanan, after returning to India in 2002, has set up a state-of-the-art macromolecular crystallography laboratory at CCMB and carrying out research in the field of Structural Biology.

**Academic and Research Achievements:** From CCMB, his group has made outstanding contributions in the area of proofreading during translation of the genetic code. In his work in the area of translation of the genetic code, he has made a fundamental discovery by identifying a D-amino acid editing scaffold attached to the translational apparatus. This provided a clue as to how nature could have enforced and perpetuated homochirality, i.e. incorporation of only L-amino acids instead of D-amino acids in all proteins, during the early evolution of the translational apparatus. The current efforts of his group are focused towards understanding the mechanistic and functional implications of 'Chiral Proofreading'. He has also made significant contributions towards understanding the structural basis of function of enzymes involved in the complex lipid cell wall synthesis of *Mycobacterium tuberculosis*.

**Other Contributions:** He is an Associate Editor of Journal of Structural Biology, a prestigious Elsevier journal covering the field and Co-Editor of Acta Crystallographica, an IUCr publication. He is also an Editorial Board member of Current Opinion in Structural Biology. He is a fellow of all the three major science academies of the country.

**Awards and Honours:** He was awarded the prestigious Wellcome Trust International Senior Research Fellowship, UK in 2003, Swarnajayanthi fellowship of the DST, India in 2005-2006, National Bioscience Award of DBT in 2008 and Shanti Swarup Bhatnagar award in 2011. He is a JC Bose Fellow from 2015.



	<p> <b>Name :</b> Dr. Sarangapani M.  <b>Born:</b> 10-11- 1960  <b>FTAS:</b> TAS/2017  <b>Address:</b> Professor, University College of Pharmaceutical Sciences,  Kakatiya University, Warangal 506 009  <b>Mobile :</b> 9246896242  <b>Email :</b> <a href="mailto:panimanda@gmail.com">panimanda@gmail.com</a> </p>
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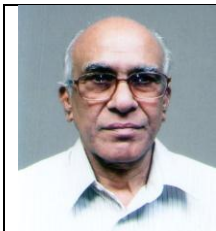
B. Pharm (1984, KU), and M. Pharm (1986), Pharmaceutical Chemistry, (AU), PhD (1995, KU) working as Professor of Pharmacy in Warangal.

**Academic and Research Achievements:** Completed Four Major Research projects funded by UGC, DST and AICTE,. He guided 30 students for PhD and 40 students for M. Pharm degree. Then fored two post doctoral fellows. His research area is developing new chemical entities for cytotoxicity, CNS activity and anti-inflammatory activity. Published 143 research papers in peer revied journals and two book chapters. He conducted one international conference in 2010 .

**Other contributions:** He is Dean, Faculty of Pharmaceutical Sciences and Co-ordinating officer, UGC office, Kakatiya University Warangal. served as warden (1992-96) Chairperson Board of studies (2007-2008) , Head and Principal (2008-2010), life member of Indian Pharmaceutical Association (IPA), Association of Pharmacy Teachers of India (APTI) and Indian Council of Chemists (ICS). He is a Pharmacy Council of India Inspector to visit the pharmacy colleges for recommending the approval for conducting the Pharmacy courses. Association of Kakatiya University Teachers (AKUT) as Joint Secretary(1997-99), General Secretary (1999-2001) and President (2013-2015)

**Awards and Honours:** He received Best Research Paper Award by IDMA, Bombay

	<b>Name:</b> Dr. N. SARATH CHANDRA
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	<p> Name : Dr. Sarma M.B.K.  Born : 15-09-1932  FTAS : TAS/1983  Address : H.No: 2-2-18/32/B, D.D.Colony, Bagh Aamberpet,  Hyderabad – 500013  Mobile : 9959497038  E-M : <a href="mailto:mbksarma@gmail.com">mbksarma@gmail.com</a> </p>
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M. Sc (OU, 1954), Ph. D (OU, 1958).

**Academic and Research Achievements:** Dr. Sarma joined OU, as Assistant Astronomer in the Dept. of Astronomy in 1958. Associate Astronomer (1965) and Astronomer (1972) The Nizamiah observatory at Begumpet established in 1918 was transferred to the Osmania university and sharma take charge. Dr. Sarma had visited USA on a Fulbright fellowship Assronomy Dept. of the vanderbuilt University at Nashville,Tenn. and the Astronomy Dept. of the University of California at Berkley. During this period he had worked for some time at the famous Lick observatory (with a 120 – inch telescope)in 1959 also visited many observatories of Mt. wilson (100-inch telescope) Mt.Palomar (200-inch)tel)and kittpeak National observatories. Dr. Sarma attended the International Astronomical union (IAU) meeting held at Baltimore.

**Other Contributions:** Responsible for Installation of 48 – inch Telescope for the Nizmiah observatory (N.O): with the donation of a 48 – inch telescope to N.O Dr. Sarma along with Dr.K.D.Abhyankar in the Astronomy Dept. surveyed many sites and finally decided to all on a small Hillock at Rangapur village, satisfied the stipulated condition of O.U that the new observatory should be at a motarable distance. The 48 – inch telescope was finally installed (by US Engineers) and was made ready for observational research work during 1979-1980. Dr. Sarma was for the Head, Department of Astronomy and Director of Nizamiah and Japal – Rangapur observatories. Dr. Sarma worked on Binary stars (observational) and published about Ninety (90) Scientific papers in reputed Journals. Four M. Phil and 4 Ph. D were under him guidance. Dr. Sarma was one of a 3 member team for selection of site survey for installation of large telescope (National) at Leh, Ladakh.

**Awards and Honors:** Dr. Sarma was a member of the Indian National Committee for Astronomy (INCA) these meetings, financial Dr. Sarma, as Head of the Dept, and Chairman, Board of Studies in Astronomy. was made a member of the University Senate. Dr. Sarma was a founder member of the Astronomical society of India (ASI) and a treasurer for a six year period. After his superannuation (in1992) Dr.Sarma took a CSIR Fellowship under the Emiritus scientists scheme for a period of six years. Dr. Sarma was appointed as coordinator for UGC Centre for Advanced Studies in Astronomy during which period he got a grant of Rs. 70. Lakhs.



**Name:** Prof. Sashidhar Rao B  
**Born :** 17-09-1958  
**FTAS :** TAS/2015  
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Hyderabad – 500007, TS  
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**Prof. Beedu Sashidhar Rao**, M.Sc., Life Sciences (Biochemistry) (UOH) (1981) and Ph.D (OU , 1987) , worked at National Institute of Nutrition, Hyderabad, Technical Research Officer National Inst. of Nutrition, Hyderabad (1987-88). joined the Department of Biochemistry, Osmania University, Hyderabad, in 1988. Chairman & Coordinator, Forensic Science Unit of the Department of Biochemistry (2002-2004), the Chairman, BOS, (2007-09), HOD (2009-11), Dept. of Biochemistry and BOS, Nutrition, (2009-2011, 2017- onwards).

**Academic and Research Achievements:** His research interests are in the area of i) Food toxicology (mycotoxins, pesticides) ii) Immunodiagnosics iii) Natural product biochemistry and iv) Nanobio-composite materials. Received research grants from DBT, DST, CSIR,ICMR, New Delhi, Central Power Research Institute, Bangalore and Department of Atomic Energy (BRNS), Mumbai. Received grants from Industries, Corporate Hospital and International organization (ACIAR, Australia; ICRISAT) for sponsored research. He has an **H-index** of **28** and **I<sub>10</sub>-index** of **62**, with over **2880** citations.

Authored **5** books and published over 130 research papers in IF journals. He was instrumental in identifying and characterizing a novel biopolymer (*Gum Kondagogu*- a natural product with applications in food industry, as a media for bioremediation of toxic metal ions, a matrix for drug delivery and in the development of nano-biocomposite material based biosensor. He has also contributed in developing immune-analytical methods for environmental and biological monitoring of mycotoxins and assessing the impact of magnetic fields on biological systems. Presently, he is Coordinating the Promotion of University Research & Scientific Excellence (**PURSE-II**) programme, sponsored by DST, New Delhi, with a funding of **Rs. 81 millions**. He also served as the coordinator for two major university programmes, UGC-Centre for Excellence (CPEPA) in '*Bioprospecting of Certain Medicinal plants for health care*' with a research grant of **Rs. 28 millions** (2012-17), and **DST-PURSE-I** (2011-15), programme with a sanctioned grant of **Rs. 90 and 81 millions**, at Osmania University.

**Other contributions:** Human resource development: guided 14 students for Ph.D degree 3 students for M.Phil degree in Fifteen post-doctoral fellows, (CSIR-Pool Scientists, DST-Women scientists, DST-YSS) and five UGC- Dr. Kothari Fellowship awardees) were associated with him. Referee/reviewer for 85 international and 8 national journals. Served as a resource person in UGC sponsored workshops.

**Awards and honours:** He was drafted as a consultant to Food & Agriculture Organization (FAO), of the United Nations, Rome, Italy and various Govt. Laboratories in India. He has extended consultancy service to Biotech and Drug Industries, under the aegis of Research Development and Consultancy Cell (RDCC), of Osmania University. Invited by Czech National Academy of Chemical Sciences, for delivering lecture. Scientific panel member to the Food Safety & Standards Authority of India [**FSSAI**, Govt. of India, (2009-onwards)].

	<b>Name:</b> Dr. Sasikala Ch. <b>Born:</b> 09-03-1963 <b>Elected:</b> TAS/2017 <b>Address:</b> Centre for Environment, Institute of science and technology (IST), JNT University Hyderabad, Kukatpally, Hyderabad 500085 <b>Mobile:</b> 9000796341 <b>E-mail:</b> <a href="mailto:sasikala.ch@gmail.com">sasikala.ch@gmail.com</a> , <a href="mailto:sasi449@jntuh.ac.in">sasi449@jntuh.ac.in</a>
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BSc (1983), BEd (OU, 1984) M.Sc. Applied Microbiology (1986, Bharathiar University, Coimbatore) and Ph.D. Microbiology (OU, 1990) After a post-doctoral period as RA and UGC Research Scientist at the same University, she joined JNT University Hyderabad in 1996, currently a professor of Environmental science and technology JNTU, Hyderabad, She is also a coordinator of startup cell of IST.

**Academic and Research Achievements:** Guided 17 Ph. D. students and a large number of M. Tech/M. Phil/M. Sc/B. Tech students **patent** hosting Summer Research Fellows. Dr. Sasikala's research interests are in the area of bacterial diversity, metabolomics and bioprospecting for environmental management with reference to anaerobic bacteria. She has **undertaken** genetic diversity through metagenome analysis over 130 new species, 19 new genera, 1 new family and 1 new order in addition to 27 reclassifications, 15 emended descriptions, 1 candidatus genus, 4 candidatus species and cataloguing of bacterial diversity. She is a member of "International Committee on systematics of prokaryotes: Subcommittee on the taxonomy of phototrophic bacteria". Published 200 research publications in standard refereed journals,

Work on metabolism of aromatic compounds has resulted in discovery of novel metabolites, metabolic pathways and enzymes (enzyme commission numbers graded). Bioprospecting for novel antioxidants, phytohormones and anticancer metabolites from anoxygenic phototrophic bacteria a potent phytohormones; COX-2 inhibitors and compounds with cytotoxicity against cancer cell lines. Several cultures are being used as bioremediation agents and probiotics in aquaculture ponds, for solid waste management and as biofertilizers.

**Other Contributions:** Successfully completed 17 R&D projects including those funded by industry and an Indo-German project and presently, two are ongoing. She has research collaborations. She was on the editorial board of Indian Journal of Microbiology (Springer).

**Awards and Honors:** She is recipient of (Best Teacher Award) by Government of Telangana 2016, and "Prof. B.N. Johri award for Microbial Diversity" (AMI, 2016). UGC Mid Career Award, (2016), UGC research award, (2014), DBT overseas associate ship award, (2008), UGC Research scientist award, (1994), UGC Research associate ship, (1993), UGC JRF/SRF (1987), CSIR Research associate ship, (1992) and UGC JRF/SRF (1987). She is recognized as Government analyst by CPCB, She is a member of Expert Committee on Access and Benefit Sharing of National Biodiversity Authority, India.

	<b>Name:</b> Dr. Sastry B.G. <b>Born:</b> 30-04-1928, <b>FTAS:</b> TAS/1984 <b>Address:</b> 401 Sai Annapurna, 2-2-18/19 Durgabai Deshmukh Colony, Hyderabad – 500013 <b>Email:</b> <a href="mailto:sastry1928@gmail.com">sastry1928@gmail.com</a> , <a href="mailto:sastrybg@yahoo.co.in">sastrybg@yahoo.co.in</a> , <b>Mobile No:</b> 9866238424
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B. Sc. Metallurgical Engineering (B.H.U.), Member of the Institute of Indian Foundrymen,

Member of the Indian Institute of Metals, Fellow of the Institute of Standards Engineers,

Founder Member of the Indian Society for Advancement of Materials and Process Engineering, and Fellow of the Telengana State Academy of Sciences.

**Other particulars:** Graduated in Metallurgy (1949), Banaras Hindu University. After working for about 21 years in different organisations, he promoted in 1971 Ductron Castings Limited, India's first full-fledged S.G.Iron foundry with his own technical know-how. He had set up Ductron Castings Ltd. with liberal financial assistance from IDBI, APSFC and APIDC as a technocrat venture. The unit which commenced commercial production in November 1972 with an original installed capacity of 1000 tonnes of ductile iron castings per annum has been raised ten-fold in a span of about 15 years. In 1986 the Company added an imported fully automatic shoot squeeze type high pressure moulding line representing the state-of-the-art technology in the field. Original unit and all expansions later were undertaken with the project engineering provided by Mr. Sastry. The unit has been merged with Ashok Leyland Ltd. in 1990. Mr. Sastry has been a Director in a number of companies from time to time either in his individual capacity or as a nominee of one or the other of the State level financial institutions. He is currently Director of Bhamidi Finance & Consultancy Private Ltd., Hyderabad. Contributed a number of technical papers in different technical journals besides a number of feature articles in some of the well-known economic dailies as also participated in Panel Discussions of Institution of Engineers etc. While a majority of the papers / articles are on S. G. Iron, other topics covered are analysis of the budgets, industrial development, economic growth, etc. Chairman of the Institute of Indian Foundrymen, Western Regional Branch, Bombay, (1969 and 1970), Past Chairman of the Cast Iron and Pig Iron Sectional Committee of the Indian Standards Institution, Past Chairman of the Hyderabad Chapter of the Institute of Standards Engineers, Past Member of the Southern Regional Committee of IDBI (Industrial Development Bank of India), Leader of a high powered Castings and Forgings Export Delegation sponsored by the Engineering Export Promotion Council of India and financed by the European Economic Community that toured EEC countries in 1977, Member of the Managing Committee and a past Chairman of the Industrial Development Committee. Was Vice-President of FTAPCCI (1985-86) and President (1986 – 87).

**Awards and Honors:** J.V.Patel Trophy” instituted by the Western Regional Branch of the Institute of Indian Foundrymen (1963), Alloy Additions for the Production of High Strength Grey Cast Irons. Manager of the Year” Award (1978) instituted by the Hyderabad Management Association to recognise and honour the outstanding achievements in industry and management by a practicing Manager. Bajaj Auto Award for Best Quality Man” (1979). Distinguished Alumnus Award”(1983), Special citation given in 1998 by The Institute of Indian Foundry men. Life-time Achievement Award (2018).



**Name:** Prof. Sastry P.S.

Born :

FTAS:

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Hyderabad – 500873.

Mobile: 9848395145

E-mail: [pssastry@gmail.com](mailto:pssastry@gmail.com)


BSc and MSc (Chemistry) (Andhra University), and PhD (1960) (IISc), Bangalore 1961, he proceeded to Ottawa as Fellow of the National Research Council, Canada to work with Professor Morris Kates. In 1963, he went to the University of Wisconsin Medical School, USA (1965), he joined Faculty of the University of Toronto, Canada as Assistant Director of Neurochemistry Laboratory, and worked on the 'biochemistry of mental diseases and on the pineal glands' until 1968. Thereafter, joined Department of Biochemistry, IISc in (1968) as Assistant Professor and retired from there as ASTRA Professor and Chairman (1995).

**Academic and Research Achievements:** Sastry made notable contributions to lipid biochemistry, neurochemistry, and plant lipids. While at Ottawa, he established the biosynthetic pathways for complex lipids in plants, isolated and determined the structures of the major galactolipids of the chloroplast membrane, discovered the galactolipases in Halophilic bacteria (Archea). While at Wisconsin Medical School, he did pioneering work in signal transduction and showed that the mechanism of action of Na+K+ATPase involves the formation of an acyl phosphate on an aspartic residue. During his career, he made extensive studies on undernutrition and brain development, biosynthesis of myelin lipids, the process of myelination; synaptogenesis, receptor ontogeny in the developing human brain and signal transduction mechanisms in brain. In plants, his group did pioneering work on the biosynthesis of triglycerides in the developing oil seeds and on the plant sulfolipid. He guided 16 PhD students and published over 100 original papers and several major reviews.

**Other Contributions:** Biochemistry Laboratory at IISc. He also served as Member of the Programme Advisory Committee on Neurobiology and Biomembranes for DST and DBT; and was Secretary and later Vice President of the Society of Biological Chemists, India. Presently, he is Chairman of the Programme Review Committee in Allergy, Immunology and Allied Areas of ICMR.


**Awards and Honours:** Received the GIRI Medal from IISc, PB Rama Rao Award from the Society of Biological Chemists (India), BC Guha Memorial Award from INSA, Sir Shriram Memorial Award from National Academy of Medical Sciences and Ranbaxy Award for outstanding contributions in basic Medical Sciences. Elected Fellow of the National Academy of Medical Sciences (1987);



	<p><b>Name:</b> Dr. Satheesh Chandra Shenoi S.</p> <p><b>Born:</b> 30 -05-1958</p> <p><b>FTAS:</b> TAS/2013</p> <p><b>Address:</b> Indian National Centre for Ocean Information Services (INCOIS),Hyderabad, India</p> <p><b>Mobile:</b> 9441013377</p> <p><b>Email:</b> <a href="mailto:shenoi@incois.gov.in">shenoi@incois.gov.in</a></p>
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Dr. Satheesh more than 36 years of research experience in Physical Oceanography. Worked at National Institute of Oceanography, Goa during 1983 to 2009 . Authored/co-authored more than 90 research papers in peer reviewed journals. His Interests include Observational oceanography, role of ocean on monsoon, satellite oceanography, operational oceanography and disaster management. AMET University, Chennai conferred **Doctor of Science (*Honoriscausa*)** in 2016. Joined Indian National Centre for Ocean Information Services (INCOIS), Hyderabad as Director in May 2009.Also, served as Director, National Institute of Ocean Technology (NIOT), Chennai, (Additional Charge) during 1 Aug 2015 to 8 Feb 2018 and as Project Director, Integrated Coastal Marine Management, Chennai (Additional Charge) during 22 August 2015 to 14 June 2016.Currently leading the unique operational oceanography institute that provides information on oceans to general public and the stakeholders. The services from INCOIS include the daily advisories to fishermen indicating where to find fish in the ocean, regular forecasts of ocean waves, currents, temperature, tides, **early warnings on tsunami**, storm surge, etc. He also led the establishment of International Training Centre for Operational Oceanography, a UNESCO Category 2 Centre at INCOIS, Hyderabad.Member/chair of several national and international committees including the Chair of IUGG's Union Commission for Data and Information (UCDI), Indian Ocean Global Ocean Observing System (IOGOOS) and co-chair of International Indian Ocean Expedition-2 Steering Group (IIOE-2 - SG).

**Awards and Honors:** Fellow of **Indian Academy of Sciences** (2007), **National Academy of Sciences, India** (2009), and **Indian Geophysical Union** (2011),) In 2011, Indian Geophysical Union awarded **Dr. H.N. Siddique Memorial Lecture Award (2011)**. His contribution to the understanding of the physical oceanography of the waters around India stands out in the following five major areas: He played a lead role in the national project "Arabian Sea Monsoon Experiment (ARMEX – conducted during 2002-2004)". His research brought about important changes in our traditional view of the Arabian Sea's role in monsoonal processes. He showed that the regional optimization of the coefficients in the algorithms could improve sea surface temperature (SST) retrievals by 50% and that helped in improving the retrieval of SST from satellite data. He was a senior member of the group that carried out hydrographic observations during 1987-1994 to map the seasonal cycle of circulation off the Indian coast. This framework requires involvement of the entire North Indian basin, implying that the coastal currents around India are linked to the annual cycle of events in the basin. His inclination for quantification of the processes occurring in the ocean enabled him to lead the research on the 2004 tsunami at NIO and later helped in improving the performance of Tsunami Early Warning Centre at INCOIS. This centre has now been accepted by IOC/UNESCO as the Regional Warning Centre to provide tsunami warning service for all countries on the Indian Ocean rim. This experience gained during early career came handy at a later stage, when at NIO he initiated a major programme to make direct current measurements of ocean currents (transporters of heat and salt across the oceans) off the Indian coasts towards the end of his stay in NIO. This programme is generating a wealth of data that are providing new insights into the working of the system of currents around the coast of India.

	<b>Name:</b> Dr. Satheesh Reddy G. <b>Born:</b> 01-07-1963 <b>FTAS:</b> TAS/2012 <b>Address:</b> Room No. 530, DRDO Bhawan, Rajaji Marg, New Delhi - 11011 <b>E-mail:</b> <a href="mailto:secydrdo@hqr.drdo.in">secydrdo@hqr.drdo.in</a> <b>Tele:</b> 011-23007530
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Dr. G. Satheesh Reddy, presently Secretary, Department of Defence R&D, Chairman DRDO and Director General, Aeronautical Development Agency (ADA) has made phenomenal contributions to Defence Research and Development and is renowned for his pioneering contributions to the Indian defence and aerospace sector.

A visionary and institution builder, he led the indigenous design, development and deployment of state-of-the-art mission critical aerospace technologies and advanced missile systems. These cutting edge technologies have been the backbone for key strategic programmes and other defence applications in India. Dr Reddy is one of the pre-eminent aerospace leaders and has significantly contributed in formulation of many national R&D policies for effective development and promoting efficient manufacturing within the country. An outstanding leader, Dr Reddy has conceived and initiated many flagship defence programmes, established world class R&D facilities and created young scientists laboratories for futuristic research.


He is an Electronics and Communication Engineering graduate from JNTU, Anantapur. He received his M.S & Ph.D degrees from JNTU Hyderabad. He joined Defence Research and Development Laboratory (DRDL), Hyderabad in the year 1986 and subsequently joined Research Centre Imarat (RCI), the brain child of Dr Kalam. He has been an integral part of design and development of all Missile Systems.

Dr Reddy is Chief Architect of advanced Missile technologies and Smart Guided Weapons. He spearheaded Mission Shakti, India's first Anti Satellite Missile Test (A-SAT), demonstrating the complex mission handling capability with high degree of precision. As Director General, Aeronautical Development Agency, he led the Final Operational Clearance of 4+ generation Light Combat Aircraft Tejas, leaving lasting imprint on Indian defence & aerospace capabilities.

He piloted the Ballistic Missile Defence (BMD) programme and successfully demonstrated interception capabilities at high altitudes. Under his guidance, many critical technologies and advanced avionics have been developed, which have resulted in a streak of successful missions of various strategic and tactical missiles. His key technology initiatives led to the successful realization of Smart Anti Airfield Weapon, Guided Munitions and precision strike weapons. His persistent R&D contributions have made India self-reliant in Missiles and Avionics technologies.

Due to his significant contributions in the field of technology development and promotion of scientific pursuits, he has been conferred with Honorary Degrees of Doctor of Science by many leading Universities in the country. He is the first Indian recipient over 100 years to be conferred with the prestigious Honorary Fellowship and Silver Medal by the Royal Aeronautical Society, London. He has received numerous awards including American Institute of Aeronautics and Astronautics (AIAA) Missile Systems Award, National Aeronautical Prize, National Systems Gold Medal, National Design Award, IEI-IEEE (USA) award for engineering excellence and Homi J Bhabha Gold Medal.

His technology leadership has brought a transformative impact on the development of systems for the country and in particular for the Indian Armed Forces.

	<b>Name:</b> Dr. Satyanarayana Reddy M. <b>Born:</b> 18-04-1957 <b>FTSA:</b> TAS/2015 <b>Address:</b> <b>CMD, MSN Labs.Pvt. Ltd.,</b> MSN House, Plot No.: C-24,Industrial Estat Sanath Nagar,Hyderabad, Telangana Pincode: 500018. <b>E-mail:</b> drmsnreddy@msnlabs .com <b>Mobile:</b> 9848045795
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Ph. D. in Synthetic Organic chemistry (OU, 1988). Post-doctoral research work under Prof. Goverdhan Mehta, University of Hyderabad. Published 60 Research papers in peer Reviewed journals. Joined “Dr. Reddy’s laboratories” in 1990 and attained a position of ‘Senior Vice-President-R&D’. and developed commercially viable processes for 250 molecules.

**Academic and Research Achievements:** Dr. MSN Reddy founded MSN Laboratories Private Limited in 2003. and become one of the fastest growing pharmaceutical companies. He has established a R&D 1000 highly qualified scientific personnel in 2012 and recognition for Department of Scientific & Industrial Research (*DSIR*). MSN Labs believes in innovation and development of novel technologies. MSN Laboratories has developed many cost effective routes for prominent drugs making them conducive for low cost . It has also developed many novel and non-infringing routes for many API’s. such as statin drugs One of the best examples to cite is the preparation of ‘Statin’ drugs. This reaction was carried out by MSNL by “Modified Julia olefination” reaction. MSN laboratories has initiated the development of several “Chiral” drugs which are having complex structure and which involve highly complex chemical reactions. MSNL team has developed high technical competence and is well equipped to carry out complex reactions involving asymmetric synthesis using of selective reagents, resolution of racemisation and reactions like Negishi Coupling, Suzuki coupling, Julia Olefination, Wittig and Wittig-Horner reaction, Organo metallic (grignard, Blaise, Reformatsky etc.) Reactions, Cryogenic Reactions (Up to -70° C), etc.Many novel polymorphs have been developed, with suitable properties that can be formulated into finished dosage forms. MSN Laboratories has a portfolio of around 300 active pharmaceutical ingredients (API) covering all the major therapeutic range of drugs and many new drugs in the pipeline. Youngest among its peer group, It has become one of the major manufacturers of Active Pharmaceutical Ingredients (APIs) and finished dosages in India.

**Other Contributions:** He is ‘Member of American Chemical Society’.

**Award and honors:** MSN Laboratories Wins National Intellectual Property(IP) Award (2016), Laboratories Pharmaexcil’s Patent Award (2015), awarded TV5 Business Leader award (2015 CPhI India Award (2012 )for "Innovation in Cost Best Company in an Emerging Markets by Scrip Awards (2011), PHARMEXCIL Pharmaceutical Export Promotion Council Outstanding Export Performer Award, (2009 & 2010), FAPCCI Outstanding Export Performance Award (2010), ICICI-CNBC TV18-CRISIL Emerging India Award (2010), FAPCCI Excellence in R&D Award (2008),Udyog Ratan Award, MSN has won the Customer Centric Business Partner Award from Abbott Healthcare Pvt. Ltd. (2012).




**Name :** Dr. Satyanarayana Singh Surya  
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MSc-Biochemistry (OU), obtained Ph.D-Biochemistry (OU); post doctoral work on Phosphatidylinositol 3 kinase and its role in cancer and cytoskeletal proteins at New York State Institute for Basic Research in Developmental Disabilities, Staten Island, New York, USA (1992-96). Joined Department of biochemistry as Asst. Prof. in 1988 and became professor in 2006. Currently Head, Department of Biochemistry, University College of Science, Osmania University, Coordinator UGC-SAP-DRSIII program and Director Central Facility for Research Development. His research focuses on Signal Transduction mechanisms associated with Hypoxia, Profilin and glutamate analogues. He has published 45 research papers in International Journals, completed 10 research projects and supervised 17 scholars for their Ph.D. Degrees.

**Academic and Research Achievements :**Major research contributions include identification of down regulation of phosphatidylethanolamine binding protein (PEBP) associated with dementia in population living in high altitudes. Developed a kit (for DRDO) to screen subjects more susceptible to high altitude sickness. Identified phosphorylation of profilin by PKC associated in human breast cancer progression. Glutamate analogue L-ODAP induces hypoxia in chick brain in a reversible manner. This led to exploring glutamate diet to acclimatize subject to hypoxia and Lathyrus diet to induce intermittent hypoxia and performance increase by 200%. Identification and characterization of specific metal ion transporters (Co, Cu and Zn) by insilico methods. Cloning and expression of high affinity metal ion transporters in model eukaryotic organisms. Generation of transgenic tobacco and mustard plants expressing high affinity metal ion transporter genes for phytoremediation.


**Other Activities:** Actively involved in curriculum development in OU and several other Universities (SKU, KU, AU and GITAM etc.). Patented L-ODAP as an wound healing compound in collaboration with DIPAS, DRDO. Consultant to several biotech companies and undertaken contract research with DRDO, Unique biotech, Immunotrex and other biotech companies.

	<p> <b>Name:</b> Dr. Satyanarayana B.  <b>Born:</b> 12-06-1938  <b>FTAS:</b> TAS/1993  <b>Address:</b> 1-8-702/62/17, Behind Shankar Matt, Nallakunta, Hyderabad – 044  <b>Mobile:</b> 9849807080  <b>Email:</b> <a href="mailto:snbodla1961@gmail.com">snbodla1961@gmail.com</a> </p>
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B.Sc. (Geology Main) & M.Sc. (Geology), OU, He was recipient of UGC Merit Scholarship for his meritorious Academic Career. He got Ph.D. from Osmania University on “Petrological and Petrochemical studies on Granites of Hyderabad and neighbouring areas”. He joined as a Geology Lecturer in Osmania University. He established Geology Department at University College of Science, Saifabad as UG Department and got it upgraded to PG Department and also a Research Centre. He worked as the **Principal** of the same college later. Guided Research Scholars for their Doctoral Degrees in the field of Mineralogy, Petrology, Geochemistry, Engineering and Ground Water geology. He was member of Academic Council. Visited many foreign Countries on official assignments and invitations. Dr. Satyanarayana as Head Dept of Geology, Chairman Board of Studies. He was a Member of Several Boards of Studies of Universities in and outside the State in the Country. He was a Selection Committee Member for many Universities, Department of Science and Technology, Atomic Mineral Division, CSIR, UPSC, UGC, State Council, etc., He is a fellow of many Societies and Associations

**Association with National & Regional Scientific Organizations :**Presently he is the President for “Indian Academy of Geo Science”. He was the **Treasurer & Hon. Secretary** of AP Academy of Sciences. **General Secretary** of **The Indian Science Congress Association**. He was elected as the **President** of the Section of **Earth System Sciences** of the Indian Science Congress Association. He was the local Secretary for 85<sup>th</sup> Indian Science Congress which was organized at Osmania University 93<sup>rd</sup> Indian Science Congress organized by the Agricultural University, Hyderabad in 2006. He played a Key role in organizing the first A.P. Science Congress at Hyderabad as the Hon. Secretary of A.P.A.S. He was **Chairman and Vice-President** of A.P. Council of Science and Technology.

**Awards & Honours :**Received a **Plaque** and **cash award** of Rs.1 lakh as Hon. Secretary of APAS from the Prime Minister. Received “**Raj Kristo Dutt Memorial Award**” for his contribution in the field of Geoscience from ISCA. Selected for **Asia Pacific Excellence Award**. He was selected for **Pride of India Award**. He was honoured with a **Gold Medal** through the hands of **Prime Minister Dr. Manmohan Singhji** in 2011 for his scientific achievements and promoting the cause of Science. Received “**Rajiv Gandhi Gold Medal Award**”.

	<p> Name : <b>Prof. Satyanarayana S.</b>  Born : 03-07-1955  FTAS : TAS-2011  Address : H. No: 8-12-60, St. No.8, Habsiguda, Hyderabad-500 007  Mobile : 9490156670  E-Mail : <a href="mailto:snsirasani@gmail.com">snsirasani@gmail.com</a> </p>
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#### **Academic and Research Achievements:**


Prof. S. Satyanarayana has over two decades of experience in education administration. He started his career as Assistant Professor in 1983 and became Professor in 1998. He was appointed as NSS Program Officer in Osmania University in 1983. He was also the Joint Director of Academic Audit Cell, OU (2000-2002).

#### **Other Contributions:**

In 2002 he assumed the role of Director, Directorate of Admissions. He was appointed as principal of Nizam College (OU) 2006-2009. He was appointed as Registrar of RGUKT from 2009-2011 and he was appointed as Vice-Chancellor of Osmania University from 2011 to 2014 and also. Incharge VC for JNTU(H), JNTU (A) & Rayalaseema University.

#### **Awards and Honours:**

Professor Satyanarayana has got Merit Scholarship (A.P State Govt.), Junior Research Fellow, Senior Research Fellow and Postdoctoral Fellow from CSIR, New Delhi. Post Doctoral Associate at Texas, Arlington, Missisipi State University and UMMedical center Jackson USA for four years (1989-93). He has published 135 papers in national and international Journals. 23 students awarded Ph.D under his guidance. Several projects handled from UGC, DST and DBT. Fellow of AP Academy of Science. BSR Fellow from UGC, New Delhi in senior level. He was attended several International Conferences in various countries like China, Turkey, Paris & USA etc

	<b>Name:</b> Prof. Satyanarayana T. <b>Born:</b> 01-07-1951 <b>FTAS:</b> TAS/2014 <b>Address:</b> Division of Biological Sciences & Engineering Netaji Subhas University of Technology Sector 3 Dwarka, New Delhi-110078 <b>E-mail:</b> tsnarayana@gmail.com <b>Mobile:</b> 91-9810871815
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M.Sc. (1972 – 74) and Ph.D. (1974 – 1979) in Botany from the University of Sagar. Post-Doctoral research in India (1979 – 1983) at University of Sagar and Bhopal University, followed by PDF from Paul Sabatier University, Toulouse(1983 – 1985) and National Institute of Applied Sciences, Toulouse (1985 – 1987). Assistant Professor at G.B. Pant University of Agriculture & Technology, Pantnagar (for six months in 1985), and as Associate Professor (1988 -1998) and Professor (1998 – 2016) at University of Delhi, South Campus, New Delhi). I am now at Netaji Subhas University of Technology as Professor Emeritus.

**Academic and Research Achievements:** Mentored 30 scholars for Ph.D., 38 M.Sc. students' dissertations and 3 M.Phil. students at University of Delhi in the area of basic and applied microbiology on production of useful enzymes, their characterization and applications. Developed processes for production of enzymes in solid state and submerged fermentations and asava and arista range of Ayurvedic tonics. Cloned and expressed genes encoding enzymes such as alkaline protease, thermostable amylase, glucoamylase, amylopullulanase, phytase, carbonic anhydrase and others. I have Published 11 books, over 260 papers and reviews in national and international journals.

**Other Contributions:** I have two Indian patents on processes for the production of phytase (197593) and Ayurvedic tonics (197378).

**Awards and Honours:** Recipient of National Merit Scholarship during school and college, CSIR JRF and post-doctoral fellowships, fellowship of International Biotechnology (France; 1985 - 87). Successfully run 17 national and international collaborative projects. I was elected fellow of the Academy of Microbiological Sciences (India), Mycological Society of India, Biotech Research Society of India and Telengana Academy of Sciences. I was the president of Mycological Society of India (2014 -2015) and Association of Microbiologists of India (2015 – 2016). I was a member of DBT Task Force in the area of Microbial Diversity and bioenergy for three years during 2012 – 2015.






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MBBS from VSS Medical College, Burla, Sambalpur, Odisha and MD (Medical Microbiology) from Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Pondicherry in 1982. Received fellowship of National Academy of Medical Sciences (FAMS) in 2010. Was Assistant Professor of Microbiology at Kasturba Medical College, Manipal between 1984-86 before joining Aravind Eye Hospital, Madurai as Chief Microbiologist. Moved to L. V Prasad Eye Institute (LVPEI) in 1991 and is currently the Head of Jhaveri Microbiology Centre at LVPEI and also the Director of Laboratory services of LVPEI Network hospitals.

**Academic and Research Achievements:** Clinical Microbiologist with keen interest in research in ocular microbiology. Diagnosed the first case of *Acanthamoeba* keratitis in India in 1987 and reported the first case of ocular microsporidiosis in India in 2003. Works in the area of keratitis of fungal, bacterial, *Acanthamoeba*, microsporidial origin; contact lens associated microbial keratitis, infectious endophthalmitis, antibiotic susceptibility of ocular isolates, molecular typing of *Acanthamoeba*, diagnosis and treatment of *Pythium* keratitis etc. Guided five PhD students and currently two PhD students are working under her guidance. Authored a book on "Ocular Microbiology" and has published 18 book chapters and 285 papers in peer-reviewed journals. Present interests are molecular diagnosis of eye infections, role of biofilm in bacterial and *Candida* eye infections, correlation of ocular and gut microbiome in keratitis and uveitis, antibiotic susceptibility of drugs for *Pythium* keratitis, evaluation of non-antibiotic therapy for eye infections and hospital infection control.

**Other Contributions:** In collaboration with Centre for Cellular and Molecular Biology, Hyderabad, developed the Vision Chip (Xcyton) under CSIR (NMITLI) grant and the same is patented.

**Awards and Honors:** Member of 19 associations of ophthalmology and microbiology including American Academy of Ophthalmology (AAO) and Association for Research in Vision and Ophthalmology (ARVO). Recipient of 21 awards including senior achievement award of AAO and has been the President of Indian Association of Medical Microbiologists and Society for Indian Human and Animal Mycologists and chief editor of Indian Journal of Medical Microbiologists. Serving on the review board of 18 medical journals. Recipient of 18 grants from the Department of Science and Technology, Department of Biotechnology, Council for Scientific and Industrial Research, Bausch & Lomb International Research Program and British Contact Lens Association.


	<b>Name</b> : Dr. Seeta Ram Rao S. <b>Born</b> : 20-09-1954, <b>FTAS</b> : TAS-2006 <b>Address</b> : Department of Botany, Osmania University, Hyderabad – 500007 <b>E-mail</b> : <a href="mailto:ssrrao2002@rediffmail.com">ssrrao2002@rediffmail.com</a> , <b>Mobile</b> : 9849652460, Tel:(040) 27206496 (R);
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Seeta Ram Rao obtained B.Sc (BZC,OU, 1974) and M.Sc Botany 1976.He was awarded Ph.D (OU,1981).

**Academic and Research Achievements:** Dr. Rao joined as Lecturer in Botany at Osmania University in 1983, got promotion as Reader/Associate Professor in 1989 and as Professor in 1998. He has 35 Years of research experience and his area of interest is Phenolics, Brassinosteroids and Stress Physiology. He served as Head Dept. of Botany, (OU), Chairman Board of Studies in Botany and Chairman BOS in Forestry, OU. He was superannuated in September, 2014 and recommended for the award of UGC Emeritus Fellow for the years 2015-2017. Dr S.Seeta Ram Rao made significant contribution on the growth regulation by phenolics and brassinosteroids. He initiated his research work with proanthocyanidins, catechins and flavones and reported their growth regulatory nature. He screened several phenolic compounds for their growth regulatory activity. Dr. Rao is one of the pioneering researchers in India in the field of brassinosteroids. He found that exogenous application of brassinosteroids increase the growth and economic yield of groundnut and the growth promotion was associated with increased nodulation and nitrogenase activity. His group for the first time reported the acceleration of ripening of fruits by brassinosteroids employing tomato fruit pericarp discs. Salinity stress alleviation in rice and mitigation of drought stress in sorghum by exogenous application of brassinosteroids was reported. Improved rhizogenesis, propagation, herbage and essential oil yield of rose scented geranium through brassinosteroid application was experimentally demonstrated. He also shown the amelioration of the heavy metal toxicity in plants by brassinosteroids and the stress alleviation was found associated with activation of free oxy radical scavenging enzymes and accumulation of antioxidants. He obtained improved growth, economic yield and production of pharmaceutically active constituents in *Coleus*, *Tinospora* and *Withania* due to brassinosteroid feeding.

**Other Contributions:** He guided 16 students for their Ph.D. He published 85 research articles in journals of repute. He successfully implemented 8 research projects founded by UGC, CSIR, DST and NMPB. He authored/edited 16 books meant for +2, UG and PG level students. He was associated with the academic activities of State Council of Higher Education, Telugu Academy, Board of Intermediate Education, SCERT. Dr.B.R.Ambedkar Open University, Maulana Azad National Urdu University, Rajiv Gandhi University of Knowledge Technologies, Dr.A.S.Rao Award Council and Jana Vignana Vedika.

**Awards and Honours:** Dr. Rao is receipient of State Teacher Award (2013). He is Member, Editorial Support Group, National Translation Mission (MHRD). He was member, Academic Senate, Osmania University (2006-14). External Member in Board of Studies in Botany for several universities. He is life member of Indian Society for Plant Physiology, Indian Society for Plant Physiology and Biochemistry.


	<b>Name</b>	: Dr. Senthilkumaran B.
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B. Sc. and M. Sc. Zoology,(Bharathidasan University) and M. Phil. Endocrinology (University of Madras )and Ph. D (BHU). He received STA-JSPA fellowships (1996-98, 1998-2000) to work as a post-doctoral fellow at NRIA and NIBB, Japan. He was also distinguished researcher of JST (2000-03) at NIBB, Japan. He joined University of Hyderabad as a Reader in 2003 and became Professor in 2008 . and visiting scientist at NIPS, Japan (2008, 2012) and JSPS Fellow at University of Miyazaki (2011).

**Academic and Research Achievements:** Contributed significant on molecular mechanisms of sexual development and gamete maturation in fishes and identified sexual dimorphism in gonadotropin-releasing hormone-gonadotropin immunoreactive proteins in addition to marker genes that are specific for testicular and ovarian differentiation. Male-specific expression of *dmrt1* and *sox9a* was evident in differentiating testis while ovarian aromatase and *foxl2* transcripts were high in differentiating ovary. His findings suggested that estradiol-17 $\beta$  does have a critical role in ovarian differentiation, while 11-ketotestosterone's role in testicular differentiation is less important in siluriforms. They identified gender differences in the expression of serotonin synthesizing enzyme, tryptophan hydroxylase in brain leading to high serotonergic activity in males. He demonstrated brain aromatase and its related transcription factors such as FTZ-F1 and *Foxl2* as ideal markers of female brain sex differentiation. Recently, his research work signified spatial up-regulation of catecholaminergic system in females. The credibility of these marker genes was tested using sex reversal and artificial maturation methods and in that process he had reported the occurrence of intersex and complete sex reversal after exposing to androgens. Now, these marker genes serve as biomarkers for endocrine disruptor studies. His work also demonstrated the occurrence of shift in steroidogenesis from estradiol-17 $\beta$  to 17 $\beta$ ,20 $\beta$ -dihydroxyprogesterone in ovarian follicles undergoing meiotic maturation through subjugation and over expression of certain transcription factor and steroidogenic enzyme genes.

**Other Contributions:** Prof. B. Senthilkumaran developed specific radioimmunoassay for gonadotropin-releasing hormone.

**Awards and Honours :** Recipient of young scientist award from European Society for Comparative Endocrinology, National Academy of Sciences, Allahabad, He is review editor for many PubMed Indexed journals. He is associate editor for *Gene* and academic editor for *PLoS One*. Executive member for Indian Society for Comparative Endocrinology. member of Society for Comparative Endocrinology and Reproductive Biology (SRBCE). “Fellow of Reproductive Endocrinology” and “Prof. P. Govindarajulu Gold Medal Oration Award” from SRBCE distinguished Alumni Award (2011). Recipient of Department of Biotechnology-TATA Innovation Fellowship (2014).


	<b>Name</b> : Prof. Seshu Bai V. <b>Born</b> : 29-03-1956 <b>FTAS</b> : TAS/2010 <b>Address</b> : Professor, School of Physics, University of Hyderabad, Hyderabad – 500046 <b>Mobile</b> : 9440176443; Off: 040-23010241; Res: 040-23010912 <b>E-mail</b> : <a href="mailto:seshubai@gmail.com">seshubai@gmail.com</a>
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M.Sc Physics (1976) and Ph.D. (1981) both from IIT Madras. Her work was on Ferromagnetic and Spin Wave resonance studies in thin films of Mn-Sb alloy systems. She worked on incommensurate phase transitions in organic halides as DFG fellow at Technische Hochschule, Darmstadt, Germany (1981-82). She joined University of Hyderabad as pool officer (1982-84) and became faculty member in 1985. She is a visiting scientist at University of Maryland, USA (1993-94). She delivered talks at International conferences at Grenoble in France, and at Ohio and Pittsburgh many academic institutions in USA, Germany.

**Academic and Research Achievements:** Dr. Seshu Bai has been carrying out research in experimental areas of Physics and Materials science. She supervised of 11 M. Phil and 13 Ph. D. students and has several publications in peer-reviewed journals. Her specific research areas of interest are in magnetic materials, high temperature superconductors and structure-property correlations in Inter-metallic compounds. Hers is one of the very few labs in India where High  $T_c$  superconductors of REBCO with large critical current densities sustained to 9 Tesla fields at 77 K are synthesized. Through research work of several students, her group has obtained grip on fundamental parameters to be controlled through processing of superconducting components for achieving superior field dependent properties simultaneous with shape forming using gelcasting technique. Introduction of nano-sized particles into composites through sol addition is developed to improve their properties. On magnetic materials, the problem of low martensitic transformation temperatures and high brittleness of recently discovered ferromagnetic shape memory alloys of Ni-Mn-Ga is addressed through introduction of cobalt and boron. She has also been engaged in semi-empirical work on arriving at generalizations on Structure-property correlations in Intermetallic compounds which has led to indications that Charge transfer occurs on a metallic bond and that this approach allows prediction of lattice parameters and other physical properties.

**Other Contributions:** she contributed to academic outreach through delivering a number of lectures at Degree, Post-graduate and Engineering colleges to familiarize the students on latest advances and excitements in research and motivate them to take up research career in science. She has conducted a workshop for college teachers and distributed magnetic levitation kits to the participating teachers enabling them to demonstrate Meissner effect to their students in respective .

**Awards and Honours:**She was a recipient of BOYSCAST fellowship awarded to young scientists by DST. She had delivered Smt. SitaMaha Lakshmi Memorial Lecture on ‘High Temperature Superconductors- An Overview”, at the Annual Convention of A.P.Akademi of Sciences held at S. K. University, Ananthapur, February 2008. She has been an external member on the Senate of NIT Warangal.

	<p><b>Name:</b> Dr. Seshunarayana T.</p> <p><b>Born:</b> 27-07-1953;</p> <p><b>FTSA:</b> TSA-2012</p> <p><b>Address:</b> Chief Scientist(Retd.), NGRI, Hyderabad-500 007</p> <p><b>Telephone:</b> 040-27012833</p> <p><b>E-mail:</b> <a href="mailto:tanseshu@gmail.com">tanseshu@gmail.com</a>, <a href="mailto:tanseshu@rediffmail.com">tanseshu@rediffmail.com</a>;</p> <p><b>Mobile:</b> 9440790327</p>
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M.Sc.(Tech. OU) and PhD Geophysics (OU). Joined NGRI in 1980, served in various capacities and superannuated in 2013 as Chief Scientist. Specialized in near surface exploration Geophysics. Published 150 Papers in peer viewed journals guided more than 50 post graduate students five PhD students. fellow Indian Geophysical Union, Association of Exploration Geophysics, and Geological society of India. Member of Indian Science Congress Association (ISCA), Society of Petroleum Geophysicists (SPG) and Society of Exploration Geophysicists (SEG).



Name : **Dr. Sesikeran B.**  
Born : 30-07-1951  
 : TAS/2006  
Address : #105, Sumedha Apts, Street No: 2, Habsiguda, Hyderabad 500007  
Mobile : 9849081993  
E-mail : sesikeran@gmail.com ,

#### **Academic and Research Achievements:**

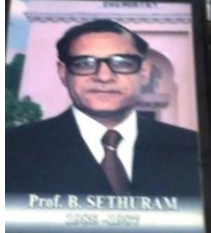
Visiting Professor, Center for health psychology, Hyderabad Central University Chairman Review Committee for Genetic Manipulation – Govt of India Chairman Scientific Panel on Labeling – Food Safety and Standards Authority of India, Govt of India Member Genetic Engineering Appraisal Committee , Min of Environment & Forests, Govt of India Chairman IUNS national committee at the Indian National Science Academy Vice president, Nutrition Society of India Vice President- Yakult India Microbiota and Probiotic Science foundation of India

#### **Other Contributions:**

He served as Secretary, Indian Association of Pathologists & Microbiologists of AP and Joint Secretary for Nutrition Society of India. He is a Fellow of the A.P. Akademi of Sciences, National Academy of Medical Sciences and International Medical Scientists Academy. He is also guiding many PhDs, MD and MDS students. He has to his credit over 50 publications in national international journals, 7 chapters in books and monographs, several technical reports, papers in proceedings of conferences and popular articles.

#### **Awards and Honors:**

Yellapragada SubbaRao Memorial Lecture 2015- Hyderabad Central University 2015  
Global Medical Education and Research Foundation Oration 2015; Santhinath Ghosh memorial oration. Dept. of chemical technology. Kolkatta University – Nov 2013; C. Ramachandran Memorial Oration Nutrition Foundation of India-2012; Dr. Rajammal Devadas Oration Award – Avinashilingam University, imbatore 2012. Dr. Florence Theophilus Endowment Lecture, WCC Chennai 2011; Dr.S.G.Srikantia Memorial Lecture, Nutrition Society of India ,Hyderabad-2011; S K Mitra Memorial Award-2009 All India Food Processors' Association at New Delhi 2010; Kamalapuri Sabharwal Memorial Oration – Lady Irwin College, New Delhi, 2009; Dr. P. Narasimha Rao International Award – International Medical Sciences Academy, New Delhi, 2009; Dr.D. Govinda Reddy Memorial Oration, NTR University of Health Sciences, Vijayawada, 2008; Dr.K.V.Rao Memorial Oration, Dr. K.V. Rao Scientific Society, Hyderabad. 2007; RR memorial Oration Dept. Oncology, NIMS 2000; Fellowships (if any): Fellow of the National Academy of Medical Sciences; Fellow of the International Medical Scientists Academy

	Name:	<b>Prof. SETHURAM B.</b>
	Born:	03-05-1938
	FTAS No.:	TAS/1991
	Address:	H. No. 2-2-647/58, Central Excise Colony, Bagh Amberpet, Hyderabad 500013
	E-mail:	bangaloresethuram@gmail.com
	Mobile:	9866245772

M.Sc., (1960) Ph. D (1967), Chemistry (OU). Diploma German (OU, 1966). Department of Chemistry, OU, Lecturer (1959), Reader and Professor. Later he served as Head, Department of Chemistry (1993-1995), superannuated (1998). He has worked during his formative years at Max Planck Institute for Radiation Chemistry for two years.

### Academic and Research Achievements

He has forty years of research and teaching experience. He has carried out extensive research in the field of kinetics of electron transfer reactions involving organic molecules, catalysis of electron transfer reactions, polymerization kinetics, coordination chemistry, solar energy conversion studies and photochemistry. More than 50 students have received training under him during their Ph.D. Programme. He has published over 230 papers in national and international journals. He is also the author/editor of 4 books on different topics in chemistry. He was actively involved in making of videos and films to popularize chemistry and presented them to students of more than 100 educational institutions including schools and colleges. He also conducted several summer training workshops for the UG/PG teachers of Chemistry.


Professor Sethuram was Head of Dept. of Chemistry, Chairman, Board of Studies, Coordinator for Special Assistance Programme and Principal Investigator of several projects at Osmania University.

### Awards and Honors

He received the best teacher award from the Government of Andhra Pradesh in 1996 and G.V.Bakore memorial award for his research in the field of Chemical Kinetics from the Indian Chemical Society in 2000.

He is a founder member and past president of Kineticists Association of India. He is a fellow of a number of Educational and Scientific bodies such as Fellow of Indian Chemical Society, Fellow of Electrochemical Society of India, Fellow of Indian Association for the History and Philosophy of Science, Member of the Indian Science Congress Association, Member of Catalysis Society of India and Fellow of Telangana Academy of Sciences. He has worked in various capacities in the Department of Chemistry until his retirement in 1998. After his retirement he worked as UGC project coordinator at the Dept. of Chemistry, Osmania University till 2000. He received special grant from DST, New Delhi under USER's Scheme to publish his research in the form of a book "some aspects of electron transfer reactions involving organic molecules", Allied Publishers Pvt. Ltd., Hyderabad in 2003.




	<p><b>Name:</b> Dr. SHAKEEL, Ahmed,  <b>Born:</b> 25-09-1958  <b>Elected:</b> TAS/2007  <b>Address:</b> Chief Scientist, National Geophysical Research Institute (NGRI), Uppal Road, Hyderabad – 500007  <b>Mobile:</b> 9849919496;  <b>E-mail:</b> <a href="mailto:shakeel.ngri@gmail.com">shakeel.ngri@gmail.com</a>;</p>
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**Academic and Research Achievements:** Chief Scientist, CSIR-National Geophysical Research Institute, Hyderabad, India (1999-2003) Team Leader (India), Indo-French Centre for Groundwater Research (IFCGR) (1982-2007) Scientist, CSIR-National Geophysical Research Institute, Hyderabad, India (1984-1987) Doctoral Research Fellow, Paris School of Mines, France, Regional Centre for Urban Water Management, Tehran, Iran 2. Aligarh Muslim University, Aligarh, India 3. Geological Survey of India, Southern Region, Hyderabad, India 4. Jawaharlal Nehru Technical University, Hyderabad, India 5. Centre for Mathematical Modeling and Computer Simulation, Bangalore, India 6. National Geophysical Research Institute, Hyderabad 7. A.P. Groundwater Department, Hyderabad 8. Centre for Geostatistics, NMDC, Ltd., Hyderabad, India 9. Rajiv Gandhi National Groundwater Training and Research Institute, CGWB 10. Water Technology Centre, ANGRAU, Hyderabad

**Other Contributions:** Chairman, South Asian Working Group on Hard Rock Hydrogeology of IAH (HyRock). Member, Advisory Committee of Asian G-WADI program of UNESCO Appointed Coordinator of the Indo-Tunisian Collaboration in water sciences. Mentor for DST (GOI) program INSPIRE Member, INSA National Committee of IGBP-WCRP for the year 2012-15 Member, Editorial Board, Intern'l Journals viz., IJCER, IJSTRE & IJHST Associate Editor (2004-2007), Hydrogeology Journal (Springer)

**Awards and Honours:** MASS Young Scientist Award(1996), International Prize for Water Science(2004), National Mineral Award(2006); Geological Society of India, National Environmental Science Academy , Recipient of National Mineral Award (2006), in Groundwater awarded by the Ministry of Mines, Govt. of India. 2. Recipient of International Prize for Water Science (2004) awarded by the Cannes Water Symposium, France. 3. Recipient of MAAS Young Scientist Award for (1996) by the Muslim Association for the Advancement of Science, India. 4. Shared (as Co-author) HS Pareek Award for the best paper published in Jr. Geol Soc. of India during (2009) on coal geophysics 5. Awarded Fellowship of the National Environmental Sciences Academy, New Delhi, 2010.


	<b>Name</b> : <b>Madhava Sharma, Gangavaram</b>
	<b>Born</b> : 05-02-1958
	<b>FTAS</b> : TAS/2004
	<b>Address</b> : Chief Scientist, Indian Institute of Chemical technology, Uppal Road, Tarnaka, Hyderabad 500 007;
	<b>Mobile</b> : 94408 02785
	<b>Email</b> : <a href="mailto:esmvee@iict.res.in">esmvee@iict.res.in</a> ; <a href="mailto:sharmagvm@gmail.com">sharmagvm@gmail.com</a>

B. Sc. and M. Sc. Chemistry, (OU, 1979), National Chemical Laboratory, Pune for his doctoral thesis, Ph. D. (1984), "Macrolides", University of Pune (Pune). post-doctoral studies on High Energy Materials in USA (1985-1987), scientist at CSIR-IICT, Hyderabad. ND Zelinsky Institute of Organic Chemistry, Moscow (USSR), on Carbohydrate based Synthetic Vaccines (1989). Further, he was a visiting scientist at SmithKline Beecham, UK (1998); ArQule, USA (2001); Kyushu University, Fukuoka, Japan (2008); Senior DAAD Fellow at Ludwig-Maximillan University, Munich, Germany (2007). He made collaborative visits to University of Rennes, France (2009/10/13/15); as Adjunct Faculty to RMIT University (Melbourne), Australia (2012-15); as a delegation member (DST / CSIR) to Russia (2011) and Vietnam (2013).

**Academic and Research Achievements:** Dr. Madhava Sharma is a versatile Synthetic Chemist with diverse expertise in Application Oriented Organic Synthesis (AO<sup>2</sup>S). His vast knowledge in glyco-chemistry and asymmetric synthesis helped him in the synthesis of several complex natural products, besides determining the absolute stereochemistry for some of them. He developed 'green' synthetic methods useful for organic chemists. He established a new area on peptidic foldamers, which culminated in several novel secondary and tertiary structures leading to publications in reputed journals like *JACS*, *Angew. Chem.* etc. He extensively worked on the development of new and process routes for lead molecules; synthesis of NCEs in the areas of asthma (COX-2, 5-LO, PDE-4, ICAM-1 inhibitors), anti-HIV (NNRTI, entry inhibitors) and Proton Pump inhibitors, which resulted in the development of IICT-TA67 as a potential molecule for asthma (into Phase-I clinical trials). He has also made extensive contributions towards agro- and fragrance chemical industries, besides pharma. He worked in collaboration with SmithKline Beecham, UK; LeukoSite / ArQule / DuPont, USA; Givaudan, Switzerland, besides with National Cancer Institute / NYBC, USA; Ranbaxy / Dabur, India.

**Other Contributions:** Dr. Sharma mentored 42 students for Ph. D., and published around 206 research articles, 14 International Patents, one book / three book chapters, besides training several MS and M Pharm students. He has been actively engaged as Expert Member at several respected institutes and universities, in addition to being consultant to different industries. He is member of several scientific associations. As Editor of Publications for APAS, Hyderabad, he was responsible for bringing several Special issues of the academy journal.

**Awards and Honors:** In recognition of Dr. Sharma's research contributions, he was rewarded with NASI-Reliance Platinum Jubilee Award (2007), Ranbaxy Research Award (2008), A. P. Scientist Award (2009), OPPI Award (2010) and CSIR Young Scientist Award (1992), besides being elected as a Fellow, National Academy of Sciences, Allahabad (2009); Royal Society of Chemistry, UK (2013); AP Akademi of Sciences, Hyderabad (2004).


	<b>Name:</b> Dr. Sheshu Madhav M. <b>Born:</b> 24-08-1972 <b>Elected:</b> TAS / 2018 <b>Address:</b> Biotechnology Section, ICAR – Indian Institute of Rice Research, Rajendranagar, Hyderabad-30 <b>E-mail:</b> <a href="mailto:sheshu24@gmail.com">sheshu24@gmail.com</a> , <b>Mobile:</b> 91-9581239979
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B.Sc (Agriculture) A.P. Agricultural University, Hyderabad and Ph.D. (Molecular Biology and Biotechnology) National research centre on plant Biotechnology (NRCPB), Indian Agricultural Research Institute (IARI), New Delhi worked on “Molecular mapping and isolation of blast resistance gene from rice”. Post-doctoral research, Dr. G.L. Wang’s Lab at Ohio state University, Columbus, Ohio, USA on “Domain swapping and DNA shuffling of major blast resistance genes in rice”. Joined as scientist in Agricultural Research Service in 1999 at Central Tobacco Research Institute (CTRI), Rajahmundry. Joined as Senior Scientist and since 2014 working as Principal Scientist in the Biotechnology section at ICAR-Indian Institute of Rice Research (IIRR), Rajendranagar, Hyderabad.

**Academic and Research Achievements:** Research interests includes molecular mapping, map based cloning of blast resistance genes and gene pyramiding of major blast genes through molecular breeding. Allele mining of major blast and BLB genes and transcriptome analysis for identification of novel genes. Functional genomics of quality traits and harnessing RNAi approach for development of resistance lines for YSB. Genomics assisted saturation mutagenesis to enhance the scope of MAS (EnMAS) for various novel traits. Guided 8 Ph. D. and 10 M. Sc students. Developed of biotic stress resistant and novel mutant lines for various agnominial traits in rice. Completed 14 major research projects funded from various funding agencies. Published more than 102 peer reviewed articles in International journals.

**Other Contributions:** Cloned and characterized two major rice blast resistance genes and conceptualized the true allele mining schemes and identified superior alleles for blast resistance genes. New genetic resources having tolerance for major diseases and insect pests, having strong culm and early maturing high yielding lines were identified through mutagenesis. key genes involved in biotic stress through transcriptome analysis were also identified.

**Awards and Honors:** ICAR Jawaharlal Nehru Award (2006), Best International research scholar award at Ohio State University (OSU) in 2009. ICAR-Lal Bahadur Shastri young scientist award (2012), CSIR best S&T innovation for rural development Award (2013) and Fellow of ABAP and Associate Fellow of NAAS (2013). Awarded “Best Senior scientist-2016” by Association of Biotechnology and Pharmacy for outstanding work on Plant Biotechnology. SVS shastry best scientist” award by IIRR in 2015. Awarded “Distinguished Scientist Award” for outstanding rice biotechnology research (2014) by Astha foundation, India.

	<b>Name:</b> Prof. Shirish Hari Sonawane <b>Born:</b> 17-06-1974 <b>Elected:</b> TAS/2016 <b>Address:</b> Chemical Engineering Department, NIT, Warangal, 506004 <b>Phone:</b> 870 2462626 (off), 870-268626 (res) <b>E-mail:</b> shirish@nitw.ac.in, <a href="mailto:shirishsonawane09@gmail.com">shirishsonawane09@gmail.com</a> .
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M.Tech, Chemical Technology (M S U, 1999), Ph.D. (NMU, Jalgaon), He joined (NITW) as Associate professor (2012), currently working as Professor and Head. He worked in the Process Control Laboratory, University of Dortmund, Germany in 2002. He visited and worked in Particle Fluid Processing Center, University of Melbourne, Australia. He received the Heritage Fellowship (2013) and worked in Chemical engineering department of Instituto Superior Tecnico, Lisbon, Portugal.

**Academic and Research Achievements:** He is preparing course material on Drying and Crystallization under the pedagogy research project in National Mission Project on Education through ICT. He also conducted hands-on short-term training workshops on Micro Reactors, Advanced Flow Reactor, Process Intensification etc., for M. Tech/Ph. D. Scholars and young faculties. He has conducted an International conference on Chemical and Bioprocess Engineering and New Frontiers in Chemical, Energy, and Environmental Engineering at NIT Warangal. Dr. Shirish Sonawane also organized GIAN programme on Sonoprocess Engineering, Membrane Separation Processes and Process intensification at NIT Warangal. He has published more than 150 SCI journal and 36 book chapters and 2 books. He has filed 19 patents out of them 4 patents have been granted. Presently 5 PhD, 1 M.Tech students are working and 17 Ph.Ds are awarded. Sonoprocess engineering, cavitation-based Nanotechnology, Waste water treatment, process Development for nanoparticle synthesis, polymer nanocomposite etc. are some of the fields Dr. Shirish Sonawane has developed and indigenous technologies for the waste water treatment using hydrodynamic cavitation processes for specifically dye waste water. He developed the process to load the liquid organic anticorrosion agents which can give the self-healing mechanism for the anticorrosion coatings and have large demand in the coating industry specifically in marine industry and wind mill manufactures. Recently he got an IMPRINT SERB project, Govt. of India, earlier he got international projects such as Indo-Tunisia Bilateral Project sponsored by DST, Govt. of India (2017), Indo-Russia DST-RFBR (2018), BIRAC-SRISTI- GYTI project, Govt. of India (2017), Department of Information and Technology, Government of India (2014). He has more than 4000 citations. He has international collaborations with Australia, Portugal, Russia, Malaysia, Tunisia etc.

**Other Contributions:** Dr. Shirish Sonawane has effectively combined synthesis and characterization of novel nano materials for successful application in state-of-the-art processes such as paints, coatings, nano fluids, wastewater treatment, nanofiltration, fuel cells, and membranes. He developed the micro reactor based technology for the production of the dipeptides. He has developed the newer and low cost methodology for the dispersion of the aluminum nanoparticles into the polymer matrix. The methodology of the dispersion of the nanoparticles is given to ISRO SHAR center which has been planned to use in the actual propellant composition. He also developed a formulation for Pickling and polishing chemicals for blank coins.

**Awards and Honours:** Recipient of BOYSCAST Fellowship from DST, (2008-2009); Heritage Fellowship from Erasmus Mundus Program (European commission) in 2013; DST Young Scientists award (2007); Institution of Engineers India award (2016); Fellow of Maharashtra Academy of Sciences award (2016); (2017), BIRAC-SRISTI- GYTI award (2017), V.N.M.M award from IIT-Roorkee (2017), Fellow of Telangana Academy of Sciences award (2017), Institution of Engineers India (2017). He is the editorial board member of Nanoscience, Advances in Nanoparticles; Journal of Foods and Raw materials; Biotechnology, Chemical & Environmental Engineering and Chief Editor of Scientific Journal of Bulletin of the SUS University Series -Food and Biotechnology. He is the reviewer of several international journals.

	<b>Name</b> : Dr. SIDHARTH B. G. <b>Born</b> : 08-07-1948 <b>FTAS</b> : TAS/1991 <b>Address</b> : B.M. Birla Science Centre Complex, Adarshnagar, Hyderabad -063 <b>Mobile</b> : 9848232578 <b>E-mail</b> : birlasc@gmail.com
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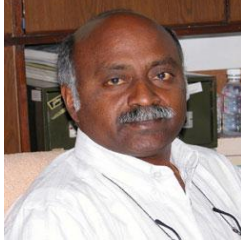
B. Sc (Hons.), M.Sc., PhD (1977-78), Calcutta University, B.G.Sidharth, is the Founding Director of the renowned B.M. Birla Science Centre, Hyderabad. His research work on Particle Physics and Cosmology has been described, a striking feature of which is its strong interface with experiment and observation : He is also Advisor and Prof. Theoretical Physics, Santa Rita University, Forence, Italy.

**Academic and Research Achievements:** Vast experience in Teaching and Research in Theoretical Physics & Applied Mathematics. Include: A 1997 model of a dark energy driven accelerating universe when the ruling paradigm was exactly the opposite. One year later this was confirmed by observation. The observers got the Nobel Prize in Physics in 2011. The model of a non differentiable spacetime lead to a number of discoveries for example the fact that the Photon has a small mass, the Neutrino has a small mass, a reconciliation of gravitation with other interactions, but more importantly the characterization of gravitation as a residual energy rather than a fundamental interaction. Corrections of the Special Theory of Relativity which apart from other things allows superluminal motion and so on. This work is covered in 150 research papers and several books published by Springer, Kluwer, Nova Science and World Scientific. Read more: <http://bgsidharth.webnode.com/c-v-and-publications/>

**Other Contributions:** He is the Convenor and Co-chairman ( with Nobel Laureates Prof.D.D.Osheroff and Prof.C.Cohen-Tannoudji) of the prestigious Frontier of Fundamental Physics International Symposium series that has been held in Asia, Europe and North America and Australia He has played host to some 26 Nobel Laureates eminent physicists. He has coordinated several international projects including three prestigious long term projects under the European Union – India Economic and Cross Cultural Program. These project focused on fields like Information Technology, Probabilistic and Optimization Techniques He has been instrumental in the establishment and organization of some of the most prestigious Science Awards like the Life Time Achievement recipients include several Nobel Laureates and the B.M. Birla Science Prizes which are given to outstanding young Indian researchers in the fields of Physics, Chemistry, Biology and Mathematics. Visiting Professor at several renowned International Research Institutions, e.g. ICTP, Italy, IHES, France, University of Udine, Italy University of Laval, Canada, Frankfurt Inst. of Advanced Studies etc. Delivered lectures and took courses at various institutions in Europe, US and Canada, including the International Centre for Mechanical Sciences, Italy, The University of Udine, The University of Napoli, The Abdus Salam International Centre for Theoretical Physics, The University of Western Ontario, Windsor University, The University of Alberta, University of California, Perimeter Institute, Waterloo, University of Wisconsin, University of Connecticut, University of Marseilles, etc. On the Advisory/ Editorial / Governing Boards of various National and International research and scientific institutes, Journals, Award and Expert committees.

**Awards and Honors:** Conferred Italy's Highest honour to non-Italians, **Knight-Commander of the Order of the Star of Italian Solidarity, one of the highest honours for Italians.** The Einstein Galilei Laureate and Gold Medal of Inst. Adv. Maths & Physics and Galileo Telesio of Italy 2013 which he shared with Nobel Laureate Prof.D.D.Osheroff. Elected Senior Associate of International Centre of Theoretical Physics, Trieste, Italy. Elected Fellow of the Royal Astronomical Society, England, 1985. Honorary Doctorates, Fellowships etc. e.g. Doctorate (Hon.Causa) Jawaharlal Technological University, British Council Scholar etc Distinguished Scientist award of the Andhra Pradesh Akademi of Science The prestigious Prof.S.Bhagavantam Memorial Lecturer (2011) The SBS award of the International Society for Physical Sciences 2011 And so on.




	<b>Name:</b> Dr. Shivaji S., <b>Born:</b> 17-06-1950 <b>FTAS:</b> TAS/2002 <b>Address:</b> L. V. Prasad Marg. Banjara Hills, Hyderabad – 500034 Hyderabad Eye Research Foundation, <b>E-mail:</b> <a href="mailto:shivas@lvpei.org">shivas@lvpei.org</a> ; <b>Mobile:</b> 9849650285;
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M.Sc. (BITS, Pilani, 1971-1973), Ph.D. (University of Delhi, 1978). Joined the CCMB, Hyderabad in 1980 and Retired in 2012 as Director-grade Scientist at the CCMB, Hyderabad. He was scientist-incharge LaCONES between 2005-2012. Presently he is the Director of Research at the L V Prasad Eye Institute, Hyderabad. He was a Max-Planck Society Fellow between 1982-1983 Gottingen, West Germany. He was also a visiting professor at The National Institute of Basic Biology, Okazaki, Japan; Institute for Medicine, Muenster, Germany; Observatoire Oceanologique de Banyuls, Laboratoire Arago, Université Pierre et Marie Curie (Paris VI), Banyuls-sur-Mer, France; Central University of Manipur, Manipur and Rajiv Gandhi University, Arunachal Pradesh.

**Academic and Research Achievements:** Dr. Shivaji's interest has essentially centered around bacterial diversity of cold habitats and the molecular basis of mammalian sperm function. He is known for his pioneering studies in Microbial Biodiversity of Antarctica, Arctic, Himalayan glaciers and the stratosphere and has made very significant contributions to our understanding of the molecular basis of low temperature adaptation. His most significant research achievements include identification of 7 new genera and 80 new species of bacteria from Antarctica, Arctic, Deep sea, Himalayan glaciers and the stratosphere, first evidence in the world of seven new species of bacteria from the stratosphere, identification of 3 genes required by psychrophilic bacteria for survival at low temperature, demonstration that pigments modulate membrane fluidity and reported the genome sequence of 20 different novel species of bacteria. In reproductive biology his research mainly focused on the molecular basis of sperm function crucial for successful fertilization. He demonstrated that spermatozoa during acquisition of motility and the competence to fertilize the oocyte undergo preferential phosphorylation of proteins and a few of these proteins such as A Kinase Anchoring Protein, dihydrolipoamide dehydrogenase, pyruvate dehydrogenase-2 and glycerol-3-phosphate dehydrogenase-2 influence sperm capacitation. He has identified several genes involved in the pathophysiology of Endometriosis. Based on mtDNA haplogrouping he proposed the rationale for exploring the mitochondrial genome as a biomarker for the diagnosis of endometriosis. Subsequently using proteomics, proteins upregulated during Endometriosis have been identified and implicated in progression of Endometriosis. These studies demonstrated that DJ-1 which is upregulated in eutopic endometrium of women having endometriosis may be involved in endometriosis. Dr. Shivaji's interest in reproductive biology led to the establishment of "Laboratory for the Conservation of Endangered Species" (LaCONES). His studies in reproductive biology bridge the gap between basic research in sperm function and reproductive health to its application in conservation of wild animals.

**Honours and Awards:** Member of the International Committee on the Terrestrial Colonisation of Antarctica, 1989. Recipient of the Volkswagen International Research grant for 1997 - 2000 Recipient of the Wellcome Trust International Research Grant, UK, 2000 to 2003 for research in Reproductive Biology. Resource person for the International Biology course titled "Biological adaptations in Antarctica" held at the McMurdo Station, Antarctica in January, 1995. Recently he was awarded the National Award of Ministry of Earth Sciences in 2016 for research in Cryosphere and Polar sciences; the E K Janaki Ammal award of Ministry of Environment and Climate Change in 2018 for research in Microbial Taxonomy and Carl Woese award by Association of Microbiologists of India, Pune, 2014.

	<b>Name:</b> Prof. Shivaraj <b>Born:</b> 28-09-1960 <b>Elected:</b> FTAS/ 2018 <b>Address:</b> Department of Chemistry, University College of Science, Osmania University, Hyderabad, Telangana-500007 <b>E-mail:</b> <a href="mailto:shivarajkavada@gmail.com">shivarajkavada@gmail.com</a> <b>Mobile:</b> 7842572128/ 7337355879
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Dr. Shivaraj, received his Master's Degree (1983) and Ph. D. (1989) from Osmania University. He joined as Assistant Professor in Osmania University in 1986. He has a cumulative teaching experience of 33 years, of which 13 years have been as a Professor.

**Academic & Research Experience:** He has guided 13 students to obtain their Ph. D. degree. He has published 90 research articles in various national and international journals. He has received 6 research projects worth Rs. 80.00 Lakhs. He has organized five conferences in the Department of Chemistry, Osmania University and delivered 40 invited Lectures in National and International conferences. He has visited 12 countries including China, Indonesia, Malaysia, Hong Kong, France, Belgium, Germany, Netherlands, Switzerland, Italy etc. on academic and research purpose. He is an Executive member of Indian Council of Chemists (ICC) since 2011. He is reviewer of research articles for Inorganica Chimica Acta, Journal of Coordination Chemistry, Journal of Scientific Research, Journal of American Chemical Science, British Journal of Pharmaceutical Research, Journal of International Research in Medical and Pharmaceutical Sciences. He is life member of Indian Science Congress Association (ISCA), Indian Association of Chemistry Teachers (IACT), Indian Council of Chemists, Indian Chemical Society (ICS), International Congress of Chemistry and Environment and member (ICCE), American Chemical Society (ACS) since 2010. He has been serving as a member of Board of Studies of Chemistry in various universities. He is a resource person for DD Saptagiri Tele Conference organized by Ambedkar Open University. He is also a visiting Fellow under UGC Scheme to Sri Venkateswara University, Thirupathi.

**Other Contributions:** He served as a Warden, Nizam College, Youth Welfare Officer, O.U., Joint Director, Directorate of Academic Audit, O.U., Controller of Examinations, O.U., Director, Directorate of Admissions, OU. Dean, Faculty of Science, Palamuru University. Registrar, Palamuru University, Director, PGRR Centre for Distance Education, O.U. He served as Principal, University College of Science, O.U., and Chairmen BOS, Department of Chemistry. Presently, he is the Dean Development & UGC affairs, Coordinator UGC-UPE Programme and Coordinator DST-PURSE programme, Osmania University, Hyderabad.

**Member in National & State level bodies:** He has been appointed as Member, Boards of Governors of NIPER, Hyderabad by Ministry of Chemicals & Fertilizers, New Delhi, **National Monitoring Committee (NMC) for Education** of SCs, STs and Persons with Disabilities by MHRD, GoI, New Delhi, **Executive member of Telangana State Council of Higher Education**. Member of the committee to study the status of the Universities in Telangana state by TSCHE.

**Awards and Honours:** Best Teacher Award by Telangana State Government in 2018




	<p><b>Name:</b> Dr. SHRIKANTH V. JOSHI,  <b>Born:</b> 24-06-1960  <b>FTAS:</b> TAS/2003  <b>Add:</b> Additional Director, International Advanced Research Centre for Powder Metallurgy and new Materials (ARCI), Balapur, Hyderabad – 5  <b>Mobile:</b> 9490117226; <b>Off:</b> 24441077; <b>Res:</b> 27601453;  <b>E-mail:</b> <a href="mailto:me.svjoshi@gmail.com">me.svjoshi@gmail.com</a>; ; <a href="mailto:svjoshi.uoh@gmail.com">svjoshi.uoh@gmail.com</a></p>
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**Academic and Research Achievements:** (1987-1989) Visiting Faculty, Department of Chemical Engineering, University of Idaho (USA). (1989-1997) Scientist, Defence Metallurgical Research Laboratory, Hyderabad, India. (1997-2005) Head, Centre for Laser Processing of Materials, Hyderabad, India. (CLPM is now a part of ARCI). (1999-2005) Scientist, ARCI, Hyderabad. (2008 - 2009) Dean, School of Engineering Sciences & Technology, University of Hyderabad, Hyderabad, India Associate Director, International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Hyderabad, India. (2005 – 2013)

**Other Contributions:** Solution Precursor Plasma Spraying (SPPS) 2. Cold Gas Dynamic Spraying (CGDS) 3. Electron Beam Physical Vapour Deposition (EB-PVD) 4. Plasma, Detonation Spray and HVOF based coatings Page | 2 5. Laser Surface Engineering 6. Laser Cutting, Drilling and Welding 7. Thermal Barrier Coatings 8. Modeling of Gas-Particle Transport Phenomena in Thermal Spray System

**Awards and Honours:** Vasvik Research Award- Material Science & Technology, (2011), Metallurgist of the Year Award, Ministry of Steel & Indian Institute of Metals-(2009) ; Best Scientist Award, Federation of AP Chamber of Commerce & Industry-(2004-05); MRSI Medal, Materials Research Society of India, (2002); MRSI-ICSC Superconductivity & materials Science Annual Prize –(2014).Fellow, Institute of Engineers, Maharastra Academy of Sciences, Indian National Academy of Sciences.

	<p>Name: <b>Prof. Shiva Shanth Reddy M</b>  Born: 12-11-1938  FTAS: TAS/1994  Address: 8-3-678/PEARL/401, Sri Sai Ram Manor Apts, Pragathi Nagar,  Yousufguda, Hyderabad-500045  Mobile: 9866533670 Res: 040-42024025  Email: <a href="mailto:mshivashanthreddy_ag@yahoo.co.in">mshivashanthreddy_ag@yahoo.co.in</a></p>
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B.A – (1960), B.Sc (Ag)-1962, M.Sc Ag- (1964) in Genetics & Plant Breeding with gold medal (O. U) , Ph.D (IARI -1975) USAID.

**Academic And Research Achievements:** He has joined 1964 as Asst. Professor in Genetics & Plant Breeding in A.P. Agricultural University, and became promoted to Professor (1980 ) and served as Professor, IFFCO Chair (1982) Head (1988-97). University Head (1995-97) and Principal (1990-91) College of Agriculture, Rajendra Nagar and provided guidance to research programmes Major Advisor for 7 M.Sc. (Ag) and 13 Ph.D students. Member of Academic Council ANGRAU (1983-85 & 1988-98) and Member of Faculties of Agriculture, Veterinary, Home Science and Post Graduate Studies. Oil Seeds Specialist & head (1980) and Principal Scientist & Head - Cotton & Mesta (1980-82) RARS Guntur and provided Administrative and Technical Guidance on Oil Seeds & Fibre Crops in APAU. worked as Associate Director of Research under NARP at Southern Telangana Zone (1982-85) and established RARS-Palem, , Provided guidance for development of Technologies for the Agriculture, Horticulture, Veterinary & Home Science. As Senior Scientist (1985-87) ICRISAT Associated with Deputy Director General - Research (Dr.J.S. Kanwar) in review of research projects and compilation of research results across the Globe. He has been involved in Development / Release of 4 cotton cultivators and one variety each in Mesta, Sorghum and Rice. He has published / Presented about sixty (60) Research Articles. The Research carried on Wheat Leaf Rust and Pigeonpea Sterility Mosaic have formed part of Text Books in Genetics & Plant Breeding.

**Other Contributions:** Founder President ANGRAU Retired Teachers Association 600 life members. Founder Chairman and Managing Director of Farm Scientists Consultancy Services, NGO of Retired Scientists of ANGRAU. As C&MD of FSCS presented a paper “Strategies for Remunerative Agriculture” to the cabinet sub-committee on Agricultural at Secretariat, A.P. This paper has been helpful to Prof. Jayati Gosh Commission on Farmers Welfare for preparation of its recommendations. He wrote a Book “Telangana State - Strategy for Remunerative Agriculture & Rural Development” consisting of District wise information on Socio Economic, Agriculture, Horticulture and Veterinary aspects as Bench marks for future developments in Rural Areas of Telangana Ag 2015. This book is revised

**Awards And Honours:** Received “Jawaharlal Nehru Award” for the outstanding research in Agriculture ICAR, Govt. of India (1975). One Rice thermo sensitive male sterile line registered with IRRI, Philippines in 1995. Vice President (1994-97), Fellow, Indian Society of Genetics and Plant Breeding. Vice President (1997-98), Life Member, The Andhra Agricultural Union, A.P. Referee, The National Academy of Sciences, India, Expert Member, ASRB, ICAR. Eminent Academician - Agriculture Union Public Service Commission. Member - Institutional Bio-safety Committee (IBSC), Dept. of Biotechnology, Ministry of Science and Technology, GOI.




Name: **Prof. Singara Charya M. A.**  
Born : 31-07-1955  
FTAS: TAS/ 2016  
Address: Department of Microbiology, Kakatiya University, Warangal 506 009  
House No. 2-10-416, Teacher's Colony, Waddepally, Warangal  
506 370  
Mobile 98492-08919  
E mail: [singaracharym@gmail.com](mailto:singaracharym@gmail.com)

Prof. Singara Charya obtained his M.Sc. in Botany from Kakatiya University, Warangal during 1977 and Ph.D. in 1980 on 'Studies in seed-borne fungi of some common pulses'. He joined as Lecturer in Botany in CKM College and worked for two years (1980-82). He joined in the University service on 3<sup>rd</sup> January, 1983 and promoted as Professor during 2001 and worked until his superannuation 2015.

**Academic and Research Activities:** During 1985-86 visited France under Indo-French cultural exchange and worked with Prof. Andre RAMBAUD, University of Montpellier, France on 'Aerobic and anaerobic systems of wastewater treatment'. After returning to India started the same field of Research and continued. The Limnology, and wastewater treatment by bacteria was started and the ponds/tanks in Warangal were analysed for their quality characteristics (1995). Similarly the soils in Warangal were also analysed for organic pollution, biological diversity and enzyme studies (1997). Eco-physiological studies were carried out in ponds/tanks in certain villages around Warangal (2000). The pollution and conservation of river Godavari and Lower Manair Dam (LMD) were undertaken and various physico-chemical and biological characteristics and managerial studies were carried out (2003). During 2003, the university has established Microbiology department and I moved in to this department. The biodegradation/biosorption of natural and manmade chemicals were the main research fields. Biodegradation of pesticides, azo dyes, and a natural biopolymer, Lignin by using micro and macro organisms were carried. The medicinal value of exo-polysaccharides, large scale production of lignolytic enzymes, biodiversity of white rot fungi were carried out and substantial contributions were made (2004-2015). The extraction, purification, characterization and biological value of marine bacteria was undertaken and the bioactive compounds separated were used to cure variety of diseases. The pharmacological potential of different plant and microbial products were studied and their significance was underlined (2014). Guided 40 Ph.Ds during my service in the University and published around 200 research articles.

**Other Contributions:** Prof. Singara Charya is active environmentalist and worked with various organisation working for the protection of forests, aquatic bodies in Warangal. Worked as co-ordinator of Environmental sciences run by School of Distant Learning and Continuing Education (SDLCE), Kakatiya University. Advisor for NGOs, industries, Municipality, and other organization for the improvement of environment. Developed an eco-friendly, renewable, cost-effective method of bleaching and pulping in the wood based industries for paper and rayon production. Developed a MoU with NTH Company, Japan for the separation of bio-molecules used in hair dye preparations (2006).

**Awards and Honours:** Awarded Best Teacher by Andhra Pradesh Government in 2011. BSR Faculty Fellow by University of Grants Commission (UGC), New Delhi in 2015. Telangana Academy of Sciences (TAS) Fellow in 2016. Member of Indian society for conservation Biology, Thiruvananthapuram. Member in professional and academic bodies like, Mycology and Plant Pathology, Indian Botanical Society, Indian Science Congress, Microbiological Association etc.

	<b>Name:</b> Dr. Sivakumar B <b>Born:</b> 25-09-1945; <b>FTSA:</b> TAS/1999 <b>Address:</b> Former Director, NIN, H No 12-13-1231/7, Pranita Apts, Tarnaka St No 9, Secunderabad-500017, Telangana State. <b>Mobile:</b> 9866199096 <b>E-mail:</b> <a href="mailto:dr_sivakumarb@yahoo.com">dr_sivakumarb@yahoo.com</a> ; <a href="mailto:sivak.bhatti@gmail.com">sivak.bhatti@gmail.com</a> ;
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MSc-Biochemistry and PhD-Biochemistry (Nagpur University): doctoral work on “Role of Antioxidants In Metabolism”. Joined National Institute of Nutrition (NIN) 1969 and held various scientific positions and finally appointed as Officer-Incharge and Director of NIN during 2002-05 and retired in 2005. Visiting Scientist at the London School of Hygiene and Tropical Medicine, UK (1990) and also at the Children’s Nutrition Research Center, Baylor College of Medicine, Houston, Texas, USA (2002- 2005)).


**Academic and Research Achievements:** His research is focused on Micronutrient Malnutrition, particularly vitamin A and Carotenoids and Food Fortification. Transfer of technology of double fortified common salt (DFS) to industry and its commercial production was the most recent contribution. Published over 130 research papers in peer-reviewed journals and guided 10 PhD students.

**Expert Committees: 1. Member of the Expert Committees of various National Government Research and Development Agencies like, ICMR, CSIR, ICAR and DBT and International Agencies like WHO, FAO and European Union. Member of** Central Committee of Food Standards of GOI (2002-2005).Coordinator of the ICMR National Expert Committee for revising the “Recommended Dietary Allowances for Indians”, (2010). Member of the Technical Expert Committee of the Hon’ble Supreme Court of India on Genetically Engineered Foods (2012).and Member of Delegation to FAO/WHO/ Codex Expert Meetings 2005.

Advisor/ Consultant to prestigious companies of Food and Health Care Industry, Like Glaxo Smithkline Healthcare, Pepsico and Agrotech in India (2004-15). and Editorial Adviser of Journals like The Nutrition Research Reviews and Expert Reviewer for British Journal of Nutrition and International Journal Food Technology etc. for many years

#### **Awards and Honors:**

- (1) Delivered V. G. Rao Endowment Award lecture for the year 2005, SRSS Memorial Oration of Physiological Society of India, 2005 and Prof M.C.Nath Memorial Distinguished Lecturer Series of Nagpur University, Nagpur, 2008.
- (2) Received the Srikantia Memorial Oration Award 2010 and Dr. B.K. Anand Memorial Award 2017 by the Nutrition Society of India.
- (3) Elected Fellow of AP Academy of Sciences 1999 and National Academy of Medical Sciences, India, 2004.


	<p><b>Name :</b> Prof. Sivakumar M.  <b>Born :</b> 25 -09-1956  <b>FTAS :</b> TAS/2012  <b>Address :</b> School of Physics, University of Hyderabad,  Hyderabad-500 046  <b>E-mail :</b> <a href="mailto:mssp@uohyd.ernet.in">mssp@uohyd.ernet.in</a>, <a href="mailto:msivakumar.m@gmail.com">msivakumar.m@gmail.com</a>  <b>Mobile :</b> 09989777871; Off:;040-23134354</p>
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MSc (1979) and PhD (University of Madras) (1987), post-doctoral research at Institute of Mathematical Sciences, Chennai and SN Bose national of Basic sciences, Kolkatta before joining University of Hyderabad as lecturer in 1990. visited Abdus Salam International center for Theoretical Physics, Trieste Italy visiting scientist and awarded Regular Associate Membership. to Max-Planck Institute for Gravitational Physics at Potsdam, PN Lebedev institute of Physical Science, Moscow, (2011), Center for Quantum Spacetime, Seoul, S.Korea, (2008), Sao-Paulo University, (2008). He published of book his work has been quoted in a Textbook on "Quantum Theory of Fields".

**Academic and Research Achievements:** His main interest is in Quantum Field Theory with application to study High Energy Physics, Condensed matter physics and General theory of Relativity. He contributed to Higher spin theories, Fractional quantum Hall effect, 3d field theories and emergent gravity. Higher spins: He showed massive higher spin gauge theories could be derived by dimensional reduction, which is now a standard method. His work has an annotated reference in the text book on quantum field theory by S. Weinberg. An exact 3d bosonisation with construction of fermion duality between O (3) sigma model with Hopf term and a certain higher spin theory is his important contribution in 3d field theories. In Fractional Quantum Hall effect a Hydrodynamic formulation of quantum Hall effect and relating the celebrated Laughlin wave function for quantum Hall system to a 1d system are his important contributions. In a related work he has shown a new way solving Calagero-Sutherland models using Supersymmetric quantum mechanics. His work in Noncommutative geometry include a construction of matrix model from which has emergent fluctuating emergent gravity arises with constant curvature.

**Other Communication:** Prof Sivakumar He was the general secretary of Indian Physics Association, Hyderabad Chapter He has initiated a new scheme called **Physics Training and Talent Search (PTTS)** program.

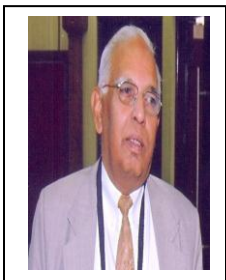
**Awards and Honors:** Associate Membership: ASIC Theoretical Physics, Trieste, Italy: (1998-2003); INSA Visiting fellow, (1994); Visiting Associate, Inter University Center for Astronomy and Astrophysics. Editorial Board: Journal of Physics Education until-2012 Expert member, DST –Women Scientist Scheme Member: Editorial board member of Journal of Physics Education (Pune) and journal of physics education.

	<b>Name</b>	:	<b>Prof. Siva Kumar R.,</b>
	<b>Born</b>	:	26-02-1954
	<b>FTAS</b>	:	TAS/2011
	<b>Address</b>	:	GC Manikantha Estate, Gautam Nagar, Malkajgiri, Hyderabad-500047
	<b>E-mail</b>	:	<a href="mailto:rachapudi.sivakumar@gmail.com">rachapudi.sivakumar@gmail.com</a> ; <a href="mailto:rsk2602@gmail.com">rsk2602@gmail.com</a> ,
	<b>Mobile</b>	:	<b>9968291882;</b>

**Academic and Research Achievements:** Dr R Siva Kumar, (Ph. D IIT Delhi), holds a B. Tech SVU, Tirupati, post-graduation in Computer Methods and Programming and Production Photogrammetry (ITC, The Netherlands). After an initial stint in the Corps of Engineers of Indian Army (1976-79), he served in Survey of India (1979-2014), Military Operations Directorate, Army HQ (1990-2000) and was head of the programmes of Natural Data Management Systems (NRDMS) and CEO of National Spatial Data Infrastructure (NSDI) for during 2002 –2014) in the DST. He retired 2014 and served as Pro Vice Chancellor (R&D) in GITAM University, Hyderabad (2014-2015). Currently, he is President Geospatial Solutions, IICT, Hyderabad. State Spatial Data Infrastructure in the states of Delhi, Karnataka, West Bengal, Haryana, Kerala and the North East have also come up due to the innovative methodologies evolved by him. The concept of a District Geoportal and a Village Geospatial Information Systems have been demonstrated and is being up-scaled. As a mission coordinator, he strived for establishing a National Geographic Information System (NGIS) with a total outlay of Rs 3,000 crores. Conceiving, developing and nurturing of new institutions are his strong attributes. Kolleru Lake Ecosystem restoration project conceived and nurtured by him and is being done with MOEF, Government of AP, and a number of institutions and universities in the country Rural Automatic Weather Station (RAWS), developed with IIT Madras, which will help in providing micro weather advisories and insuring the rain. Marine GIS, Sensor Web Enablement, Hyperspectral Remote Sensing, Geo ICT, Digital Heritage Project of Hampi and development of models for spatio temporal analysis, disaster mitigation using geospatial technologies, new data acquisition technologies such as Air Borne Laser Terrain Mapping - have enriched the interdisciplinary research. He has been on the peer review board of Global Spatial Data infrastructure (GSDI) during the 2009 and 2010 and also authored a book - 'Indian NSDI - A passionate Saga'. He has published over 44 papers and 15 books and monographs.

**Other Contributions:** He has been involved in policy formulation in the domain of geospatial data and his efforts resulted in National Map Policy 2005, Remote Sensing Data Policy 2011 and National Data Sharing and Accessibility policy 2012. He is working on National Geospatial Policy. As an elected Director of the Board of Open Geospatial Consortium (OGC) his initiatives have brought OGC technologies in the country especially interoperability tools. As a part of OGC's program on Sensor Web Enablement, frame work for India is developed which includes sensor planning services, observational measurements and web enabled communications protocols. He is the first Emeritus Director of OGC Board. He developed collaborative research programmes with Canada, Norway, UK, USA, Japan and The Netherlands and actively represented the country in Global Spatial Data Infrastructure (GSDI), UN Permanent Committee on Geospatial Information in Asia Pacific (PCGIAP), Global Mapping and one among those from 16 countries strived for establishment of UN Forum on Global Geospatial Information Management (UN GGIM). Under his guidance, Six geospatial chairs are established in Anna, Andhra, Hyderabad, Marathwada, Calcutta Universities and Indian Institute of Science, Bangalore and regular training programmes are being organized for teachers He prepared a plan for establishing a Centre for Geospatial Engineering and Technology Research and a Centre for Geospatial Governance.

**Awards and Honours:** He was awarded Dolezal Prize of the International Society for Photogrammetry and Remote Sensing, Bhoovikas Samman, Excellence in Science award National Geospatial Excellence Award from Indian Society of Remote Sensing, Excellence Award from Centre for Land Use Management (CLUMA), Tata Scholarship for Study Abroad and the Netherlands Government Fellowship. Papers presented by him have won prizes from the National Research and Development Corporation. His paper on the Neighbourhood Mapping with school children, presented at the Cambridge Conference in 2003 won the best paper prize and the conference passed a resolution to adopt the concept in other countries.



**SIVARAMAKRISHNA VARAPRASAD,S.,**

*Born:*

*Elected:*

**Address:** H.No: 77, Jalvayu Vihar, Near Sivaparvathy Theatre.  
Kukatpally, Hyderabad – 500085

**E-mail:** [drssvaraprasad@gmail.com](mailto:drssvaraprasad@gmail.com);

**Mobile:** 9246877001; **Off;:** **Res:** 040-23057215;

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**Academic and Research Achievements:**

**Other Contributions**

**Awards and Honours:**





Name: **Dr. Siva Rama Prasad V.**  
Born: 10-08-1947  
FTSA: TAS/2003  
Address: Dept. of Mathematics, Osmania University, Hyderabad-500007  
Residence: H. No: 2-18-8, Bank Colony, Uppal, Hyderabad – 500 039  
Mobile: +91 98662 43447  
E-mail: [vangalasrp@yahoo.co.in](mailto:vangalasrp@yahoo.co.in)


M. A. Mathematics (Theory of Numbers and Mathematical Statistics as specializations) (AU, 1969). Ph.D. Mathematics (AU, 1972). Joined as Assistant Professor in Mathematics in Tamilnadu, and later joined as Reader in Mathematics at Osmania University in 1977 and promoted as Professor in 1984. He visited University of Alberta, Edmonton, Canada as a visiting Research Associate Professor in 1983.

**Research Activities:** Dr. Siva Rama Prasad has worked on different unsolved problems in Number Theory and also made significant contribution to Fixed Point Theory. contemporary researchers. Supervised the 28 candidates for Ph.D. 15 M. Phil from Osmania University, JNT University Hyderabad and Dr. B.R.Ambedkar Open University, Hyderabad. Completed two major research projects- funded by DAE and CSIR.

**Awards and Honors:** **Sir R. Venkataratnam Memorial Research Gold Medal** for the best Ph. D their was awarded by the Andhra University for (1971-1972) **Sri Sanjeevaraya Sarma Ganith Award** in 2000 presented by Ramanujan Mathematical Society, Ramachandrapuram, East Godavari District in recognition of the contribution to Mathematics in Andhra Pradesh.

**Andhra Pradesh Scientist Award** in 2002 given by Andhra Pradesh Council for Science and Technology, Government of Andhra Pradesh. Principal, University college of science; In-charge Dean, Faculty of Science; Head, Dept of Mathematics; Chairman, Boards of Studies in Mathematics as well as in Computer Science (1977 - 2007 at the University.

**Academic Activities:** Dr. Prasad is a referee of certain Mathematical journals and a Reviewer for *Mathematical Reviews* published by the American Mathematical Society. He is a member of American Mathematical Society since 1990. As a founder member of Andhra Pradesh Society for Mathematical Sciences (Started in 1985), he served as its Secretary, General Secretary and President. He organized “*Problem Coordinators’ Camp*” in connection with International Mathematical Olympiad held in India during 1994. Also he conducted a 40-episode programme “*Vijaya Vaaradhi*” on All India Radio Hyderabad and gave six video lessons for a UGC sponsored project. Further Dr. Prasad is an author/Co-author/Editor for 30 books published by Telugu Akademi, Dr. B. R. Ambedkar open University and Osmania University.

	<b>Name:</b> Prof. Somaiah K. <b>Born :</b> 06-01-1946 <b>FTAS:</b> TAS/2005 <b>Address:</b> 12-13-677/45, Keemithi Colony Str. No: 01, TARNAKA, Hyderabad- 017 <b>Mob:</b> 9866198036 <b>E-mail :</b> <a href="mailto:Karnati_somaiah@yahoo.com">Karnati_somaiah@yahoo.com</a>
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M.Sc (OU) studying at Post Graduate Center Ph.D. OU. He joined Osmania University as Associate Lecturer and rose to Professor of Physics.


#### **Academic and Research Achievements:**

Photo stimulable Luminescent (PSL) materials are an important family of X-ray storage phosphors in Digital computers. BaFCl and BaFBr phosphors are better candidates and are used in the fabrication of Digital radiography Computers as Imaging plate materials. Radiative processes and the role color centers in these Radiography materials have been taken up employing several means including X-irradiation and Thermally Stimulated Luminescence (TSL) technique. TSL, X-ray excited and Pelletron induced luminescence studies confirmed the existence of different kinds of F and V-centers in end products as well as several intermediate compositions of  $\text{BaFCl}_x\text{Br}_{1-x}$  mixed crystals. Photo Luminescence (PL) and Dicroic (MCD) techniques were employed at 2K and 80Kilo Gauss to evaluate the color centers ( $F_A$ ) in color laser host materials like Alkali halides and Fluoroperovskites. Solid electrolytes are used in solid state batteries.  $\text{Sr}_{1-x}\text{Eu}_x\text{F}_{2+x}$  mixed system is one family of such electrolytes. XL, TSL studies on these materials resulted, a Ph.D doctoral thesis and few significant publications. Ferroelectric materials like  $\text{K}_2\text{ZnCl}_4$  are Non-Linear Optical (NLO) materials were synthesized and different studies have been made. Field Emission Displays (FED) and Plasma Display Panel (PDP) are essential to providing high intensity, full color flat display. TWENTY kinds of nanophosphors of Cerates and Aluminates have been prepared and their luminescence has been studied. A new class of inorganic FED materials like  $\text{SrSnO}_2$  are prepared by solid state reaction method and studied using synchrotron radiation in collaboration with synchrotron center Taiwan.

**Other Contributions:** Active in Luminescence Society of India and organized ONE international TWO national conferences. He was the president of Material Science Section in ISC. He published about 100 papers in peer revied journals and participated in 75 conferences presented papers. Supervised FIVE Ph.Ds and TWO post graduate theses (Japan). He has operated UGC sponsored research projects and a co-author of two books and co-editor of two proceedings. He held post of Registrar, Dean, Director, and Warden in RGUKT and O.U.

#### **Awards and Honours:**

Guset Scientist: Italian Atomic Energy Commission, Frascati, Rome, Italy; Guest Scientist: University of Rome, Rome, Italy; Research Fellow: International Center for Theoretical Physics, Trieste, Italy; Visiting Scientist: E.I Du Pont Company, Wilmington, DE, USA; Visiting Professor: Kanazawa University, Kanazawa, Japan; FELLOW: Luminescence Society of India; Meritorious Teacher: Govt of Scientist: Aisin Cosmos A.P.


	<p>Name: <b>Prof. Somayajulu G.V.S.R.K.</b>  Born: 12-01-1937  FTAS: TAS-2012  Address: H. No. 12-13-647, street No. 20, Nagarjuna Nagar Colony,  Tarnaka, Hyderabad. 500 007  Telephone:040-27174538  Email:</p>
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B.Sc. Physics Distinction-University Rank Holder. B.E (Metallurgy Distinction). P.G. Diploma in Nuclear Technology BARC, Bombay, (1993). Senior Executive Management Courses, DAE. Resident Quality Control Engineer Nuclear Fuels at General Electric, U.S.A. (1966).

**Academic and Research Achievements:** Joined BARC, Bombay (1962-73, NFC, Hyderabad (1973-1990). ICAS Course Qualification for Safeguards Inspectors (1990) I.A.E.A(U.N.) Vienna , Austria. Professional Experience in International Safeguards and Non-Proliferation at the Department of Safeguards in International Atomic Energy Agency (I.A.E.A-U.N) Vienna, Austria. Prior to joining I.A.E.A (U.N) worked as Scientist/Engineer/Senior Executive for 28 years.

**Other Contributions:** He worked at Battelle North West Laboratories (BNWL),USA- Hanford plutonium fuels laboratory (1968-69). I.A.E.A Training Course. (1983), 1996 Served as Professional International Civil Servant at I.A.E.A.(U.N)(1990-2000). Published about 30 papers 1998. Life Member- Power Metallurgy Association of India. Member- Indiana Institute of Metals and Indian Nuclear Society. International Peace Prize – Plaque (2009). Hon- Vice –Chancellor (2008) –World Academy of Letter, USA.

**Awards and Honours:** Life Time Scientific Achievement Award (2008). Sovereign Ambassador Medal (2008). Asthana Vidwan Scholar(2008). Eminent Scientist in Nuclear Fuel Sivananda Eminent Citizen Award-2007. Life Time Achievement Award (2005). Life Long Tenure of “ EINSTEINIAN CHAIR OF SCIENCE” for achievement in Nuclear Fuel (2004). Award in Literature (2005). “Smaraka Puraskaram (2004), wrote several books in Telugu and worked for pronunciation of Hindi culture.

	<p><b>Name:</b> Dr. Sridhar S.  <b>Born:</b> 24-10-1971  <b>FTAS:</b> TAS/2014  <b>Address:</b> Principal Scientist &amp; Project Leader, Membrane Separations Group, Chemical Engineering Division, C SIR- IICT, Uppal Road, Habshiguda, Hyderabad, Telangana, 500007,  <b>Mobile :</b> 08790748674  <b>E-mail:</b> <a href="mailto:sridhar11in@yahoo.com">sridhar11in@yahoo.com</a></p>
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B. Tech Chemical Engineering (OU, 1994) and PhD ( Karnatak University, Dharwad, 2007)

**Academic and Research Achievements:** He joined CSIR-IICT as Scientist. Dr. S. Sridhar has contributed immensely to industrial development, rural welfare and academic/educational progress. He has developed several technologies for chemical industries besides contributing immensely to rural welfare through water purification projects and academic development via extensive HRD and laboratory development in several schools/colleges. Major highlights of his career include: (i) Commissioning of several membrane pilot plants of varying capacities based on Electrodialysis, Nanofiltration and Gas Permeation to facilitate solvent recovery, effluent treatment and gas purification in pharmaceutical, textile and petrochemical industries, and (ii) Design and installation of twelve model defluoridation plants of 600–4000 L/h capacity and 12 highly compact systems of 100-200 L/h capacity for purification of ground water for more than 1 lakh population in fluorosis affected villages of Telangana, Andhra Pradesh and Tamil Nadu, which has widely appreciated by the press, masses, the governor and union ministers of science & technology. Dr. Sridhar has published 114 research papers including 6 review articles in reputed international journals such as *Journal of Membrane Science*, *Industrial and Engineering Chemistry Research* and *Chemical Engineering Journal*. His publications are widely cited by peers more than 3800 times in high impact journals including *Nature Materials* with a h-index of 32. He has 7 foreign patents to his credit including one US patent and one UK patent besides 7 Book Chapters and 90 papers in proceedings of various symposia/conferences.

**Other Contributions:** Dr. S. Sridhar has effectively combined synthesis and characterization of novel membranes with system design for successful application in state-of-the-art membrane processes such as gas separation, pervaporation, nanofiltration, electrodialysis, reverse osmosis, fuel cells, membrane contactors and membrane bioreactors for industrial development. He has commissioned several pilot plants for water purification in fluorosis affected regions..

**Awards & Honors:** **V.N.M.M Award** from Indian Institute of Technology, Roorkee for innovative work in Membrane Technology. **Gandhian Young Technological Innovation (GYTI) Award 2015**, Team Leader, From National Innovation Foundation & SRISTI.. **NASI-Reliance Industries Platinum Jubilee Award, 2013** in 'Physical Sciences' Category.. **Fellow of the Institution of Engineers (India) 2015** from Institution of Engineers, India. **Hindustan Dorr-Oliver Award, 2012** for Excellence in Use of Science & Technology in Rural Development from Indian Institute of Chemical Engineers (IChE), Kolkata.. **NASI-SCOPUS Young Scientist Award, 2011** for 'Engineering' from National Academy of Science, India and Elsevier Science Publishers.. **Engineer of the Year Award, 2009** from Government of Andhra Pradesh and Institution of Engineers (India), A.P. State Center.. **CSIR Young Scientist Award, 2007**. **Amar Dye-Chem Award** for "Excellence in Research and Development" for Chemical Engineer below the age of 35 years awarded by Indian Institute of Chemical Engineers (IChE), Kolkata for the Year 2003.. **CSIR Outstanding Performance Award** for excellent performance in the field of Membrane Separation Technology for 2005.



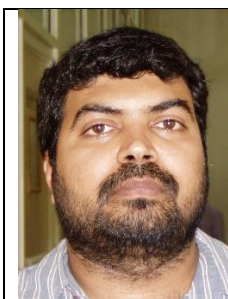
**Name:** Prof. Srihari S.  
**Born:** 26-09-1952  
**FTAS:** TAS/2008  
**Address:** (Professor of Chemistry (Rtd.), KU), 2-11-492, Vijayanagar Colony, Gopalapuram Road, Hanamkonda, Warangal – 506009  
**Mobile:** 9849189182  
**E-mail:** [sriharisomu@yahoo.co.in](mailto:sriharisomu@yahoo.co.in)

Srihari obtained his MSc in Inorganic Chemistry in 1975 and PhD in coordination Chemistry in 1982 from Sri Venkateswara University, Tirupati. He joined Kakatiya University as a Lecturer in Chemistry in 1979 and became Associate Professor in 1992, Professor in 2000 and retired from the University services, on superannuation, in 2012. He carried out Postdoctoral researches in Chemistry at Cleveland State University, Cleveland, Ohio, USA during 1986-88.

**Academic and Research Achievements:** With 33 years of teaching experience, authored/coauthored 9 text books/articles in Chemistry and Environmental Chemistry. Research interests, during a span of 36 years, involved synthesizing new organic ligands and their metal complexes, characterizing them by physico-chemical data, screening both the chemical entities for various types of biological activity and working out structure-activity relationship. Some of the compounds synthesized in the research group were found to have, on screening, high level of anticancer activity. Produced 17 PhD's and 3 MPhils and published papers in reputed Chemical journals like Journal of American Chemical Society, Inorganic Chemistry, etc.,

**Other Contributions:** Served as a Visiting Professor of Chemistry at Sri Venkateswara University, Tirupati; Acharya Nagarjuna University, Nagarjunanagar and Sri Satya Sai Institute of Higher Learning, Prasanthi Nilayam, Andhra Pradesh and as a Resource person in Chemistry of Academic Staff Colleges of all Andhra Pradesh and Telangana State Universities and a few other State Universities of India. Taught a course in Chemistry at Cleveland State University, Cleveland, Ohio, USA during the Postdoctoral research period.

**Awards and Honours:** Andhra Pradesh State Best Teacher Award - 2012



<b>Name:</b>	<b>Dr.-Ing. Vadali Venkata Satya Siva Srikanth</b>
<b>Born:</b>	01-05-1979
<b>FTSA:</b>	TSA/2017
<b>Address:</b>	Associate Professor, SEST, UoH, Hyderabad-500 046
<b>Mobile:</b>	9676495222
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MSc-Materials Science (AU, Visakhapatnam), MTech-Non Destructive Testing (NIT, Trichy), Dr.-Ing-Mechanical Engineering (University of Siegen, Germany): Worked as wissenschaftliche Hilfskräfte (Aug 2003-Sep2004) and wissenschaftlicher mitarbeiter (Oct 2004-Nov 2009) in the University of Siegen, Germany. Joined School of Engineering Sciences and Technology, University of Hyderabad as a Lecturer in 2009 and initiated the work on advanced nanomaterials for energy and environmental applications. From Associate Professor at School of Engineering Sciences and Technology, University of Hyderabad (UoH). 9<sup>th</sup> Feb 2017,

**Academic and Research Achievements:** His noteworthy research contributions are in the development of (i) diamond like carbon, diamond, SiC, and diamond/ $\beta$ -SiC nanocomposite thin films for cutting tool and bio-sensing applications (ii) carbon nanomaterials (tubes, bells pipes, fibers, and graphene) and their composites for energy storage and (iii) other nanomaterials (especially oxides) for environmental and bio-applications and (iv) extremely easy materials' processing procedures which are industrially viable. Some of his specific research accomplishments after joining University of Hyderabad are: (i) introducing for the first time ever, a solid state processing technique named grapheno-thermal reduction process for scalable production various of graphene/metal oxide nanocomposites for Li ion battery, supercapacitor and other energy storage device applications, (ii) demonstrating direct LASER writing (micromachining) on hard thin films like Diamond and SiC, (iii) demonstrating use of solar radiation, microwave (household microwave oven) and Xe lamp to process graphene, (iv) demonstrating reusable carbon based substrates (without metal deposition) for bio-sensing based on SERS, (v) developing nanomaterials (graphene based) for plasmid DNA, genomic DNA and RNA purification and for anti-cancer activity, and (vi) thin films for bio-sensing based on SERS, (viii) processing various nano metal oxides through green techniques and use the metal oxide powders in removing heavy metal (As, Se etc.,) contaminations from water. played an important role in establishing Materials Engineering and Nano Science & Technology facilities and teaching programs at School of Engineering Sciences and Technology, University of Hyderabad supervised 10 PhD students and 15 MTech students .

**Other Contributions:** Expert Reviewer for Major Science and Engineering Projects: Natural Sciences and Engineering Research Council of Canada; Invitee Indo-US Workshop on Integrated Vehicle Health Management (IVHM) and Aviation Safety – WIAS, Bengaluru, India, Invitee (as an expert on High Temperature Coatings), Coordinated programme on high temperature materials organized by AR&DB of DRDO, Bengaluru, India, April 27th, 2012; Jawaharlal Nehru Technological University, Hyderabad, India, 2012; Coordinated programme on High temperature Coatings, Turbine Blades Initiative, AR&DB of DRDO, Organized at IISc, Bengaluru, India, October 4th, 2012;

**Awards and Honors:** Best PhD thesis award 2008, University of Siegen, Germany; Young Engineer Award 2012, Indian National Academy of Engineering (INAE) for contribution in the area of carbon nanomaterials in India; Inducted as Young Associate, Indian National Academy of Engineering (INAE); Chancellor's Award 2016, University of Hyderabad for contributions in teaching and research; Member, Awarded Professional Membership (2016-2017), International Solar Energy Society; Member: Royal Society of Chemistry;



	<b>Name:</b> Dr. Srinagesh D. <b>Born:</b> 28-08-1961 <b>FTSA:</b> TSA-2012 <b>Address:</b> Chief Scientist Hyderabad-500 007 <b>Telephone:</b> 040-27012792 <b>E-mail:</b> srinagesh@ngri.res.in; seismosrinagesh@gmail.com <b>Mobile:</b> 9440289072
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MSc-Applied Mathematics (REC, Warnagal), PhD-Geophysics (OU): Japan, 1995-1996. BOYSCAST Fellowship, Washington University, St. Louis, USA, (1997). Visiting Fellow, Department of Earth Sciences, Cambridge University, April-May 2001

**Academic and Research Achievements:** To assess the earthquake hazard of India more than 200 seismographs have been established in India for mapping seismically active faults, characterizing the sources, deciphering 3D velocity structure of the Indian lithosphere for understanding the seismogenic processes and characterization of site specific ground motion. The expertise and the seismological instrumentation has earned an unique status and enabled a range of societal and strategic applications like siting of proposed nuclear power plants (NPP) by NPCIL (Gorakhpur, Chutka, Miti Virdhi, Kovadda) and BARC installations, monitoring seismic activity at the existing NPP's, proposed strategic installations by DRDO, irrigation dams, oil and gas pipelines.

**Other Contributions:** Published over 70 research papers in peer-reviewed journals. As an expert member of the Microzonation of Bangalore Urban a Microzonation report was submitted himprosided expect advisor Polavaram project on Godavari river, seismic design parameters were provided. As an expert member provided vision and an NGRI project proposal for microzonation of Nanded city On the scientific collaboration with various countries, I am the Principal investigator of several international project with Instituto de Geophisica, UNAM Mexico, Institute of Physics of the Earth, Moscow, Russia. He is a Member of National committee on Seismic Design Parameters of the CWC has played a crucial role in the approval of New Major dams. about earthquakes and several states of India. He has initiated outreach programs in Two projects sponsored by CSIR under CSIR-800, MOES and Government of Maharashtra have led to the identification of high school students for this outreach programs. He produced Educational material and a twenty-minute documentary film have been produced. In 85 schools located in 7 districts of Maharashtra seismological instruments are being installed More than 2,00,000 children have been exposed on earthquake safety till date.

**Awards and Honors:** Outstanding Scientist of 2014, awarded by Director, CSIR-NGRI, National Geo Science Award in Earthquake Hazard Assessment, 2017





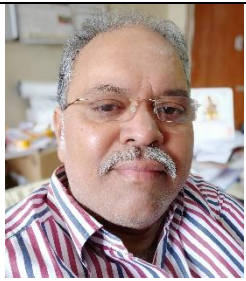
<b>Name:</b>	<b>Dr. Srinath S.</b>
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Dr. S. Srinath is working as a Professor in School of Physics, University of Hyderabad, India. He received his Bachelor's and Master's degree in Physics from Osmania University and M.Phil., Ph.D. from University of Hyderabad. Dr. Srinath worked as Scientist "SD" in Institute for Plasma Research (IPR), Gujarat in 2001. Dr. Srinath worked as a post-doctoral fellow at Argonne National laboratory, U. S. A. (2002-2004) and University of South Florida (2004-2006) before joining School of Physics, University of Hyderabad in 2006 as an Assistant Professor and is a full Professor in the School of Physics, University of Hyderabad since 2016.

**Academic and Research Achievements:** Prof. Srinath is an Experimental Condensed Matter Physicist. He has guided 3 Ph.D. students, co-supervised 2 Ph.D. students, mentored 4 Post-docs and is currently guiding 4 Ph.D. students. Research interests include Phase transitions, critical phenomena, magneto electric coupling, magnetization reversal, exchange bias, magnetic anisotropy, Magnetocaloric effect, transport and magneto-transport properties of Multiferroics, Spintronics and Nanomaterials. He has published more than 100 papers in journals of international repute with total citations of > 2000 with H-index of 26.

**Other Contributions:** Dr. Srinath has delivered talks at several National and International Conferences. He is passionate about Science outreach and enjoys delivering extension lectures and talking about Science to all audiences particularly School/college students. Dr. Srinath is a life member of Indian Physics Association, Neutron Scattering Society of America, Magnetism Society of India, Indian Cryogenics Society, K.V. Rao Scientific Society and Indian Physics Teachers Association. He is serving as a Referee for several International Physics Journals.


**Awards and Honors:** Elected as Fellow of Telangana Academy of Sciences (2016), Associate Fellow of A.P. Academy of Sciences (2013), and Honorary President of Pillalamarri District Science Forum (2010-present), BOS member of several Physics departments.

	<b>Name:</b>	<b>Dr. SREENIVAS B.</b>
	<b>Born:</b>	06-06-1967
	<b>Elected:</b>	TAS/2018
	<b>Address:</b>	Geochronology and Isotope Geochemistry Division CSIR-National Geophysical Research Institute, Hyderabad – 500007
	<b>E-mail:</b>	<a href="mailto:bsreenivas@ngri.res.in">bsreenivas@ngri.res.in</a> ; <a href="mailto:bulusu.sreenivas@gmail.com">bulusu.sreenivas@gmail.com</a>
	<b>Mobile:</b>	91-9440718807

MSc (1990) from Acharya Nagarjuna University and PhD (1999) from Osmania University (CSIR-JRF at CSIR-National Geophysical Research Institute) on “Geochemistry of the Early Proterozoic metasedimentary rocks of the Aravalli Supergroup, Udaipur, Rajasthan and its significance for understanding secular changes across Archean-Proterozoic”. Post-doctoral Fellow (Japan Society for Promotion of Science, JSPS) at The University of Tokyo, Tokyo, Japan (2003-05), visiting Scientist at Tongji University, Shanghai, China (2009) and Raman Research Fellow at the University of Manitoba, Winnipeg, Canada (2012). Currently serving as Principal Scientist at CSIR-National Geophysical Research Institute.

**Academic and Research Achievements:** Contributions to understanding of the Archean-Proterozoic boundary problem from the stand point of Proterozoic Aravalli terrane of India. Identification of metamorphosed and metasomatised Paleosol at the Archean-Proterozoic boundary of Rajasthan, discovery of  $^{13}\text{C}$ -enriched carbonate rocks from Ghasiar equivalent to the global Lomagundi Event and  $^{13}\text{C}$ -enriched organic matter in phosphorites. Modeling of geochemical compositions of the Precambrian paleosols led to a new gradual increase model for Great Oxidation Event. Initiated of non-traditional stable isotope research (isotope compositions of Fe, Li, Si, Cu, Zn etc.) using MC-ICP-MS at CSIR-NGRI. Discovered some of the oldest detrital zircons (up to 3.95 Ga old) in the Singhbhum craton of eastern India. Guiding 5 Ph. D. students and supervised about 10 M.Sc/M.Tech dissertations. Published more than 20 research papers and about 70 conference attended.

**Awards and Honors:** CSIR-NET scholarship in 1990. Recipient of ‘Young Scientist Award’ (1997) from the Indian Science Congress, JSPS PDF by JSPS (2003) and Raman Research Fellowship by CSIR (2012). Elected as an Associate Fellow of Andhra Pradesh Academy of Sciences in the year 2010. Life member of Indian Science Congress, Indian Society for Mass Spectrometry and Indian Institute of Mineral Engineers. Annual member of Geochemical Society, US for last 17 Years.


	<p> <b>Name :</b> Dr. Srinivas D.  <b>Born :</b> 24-05- 1958  <b>FTAS :</b> TAS/2012  <b>Address :</b> Catalysis and Inorganic Chemistry Division,  National Chemical Laboratory, Dr. Homi Bhabha Road,  Pune-411 008, Maharashtra, India;  <b>E-mail :</b> <a href="mailto:d.srinivas@ncl.res.in">d.srinivas@ncl.res.in</a>; dsrinivas58@yahoo.com  <b>Mobile :</b> 9922446157  <b>Tel:</b> (020) 25902018 (Off), 25882375 (Res); </p>
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Dr. D. Srinivas obtained his Masters Degree (M.Sc.) in Chemistry with Physical Chemistry as main subject from Andhra University, Waltair during 1980 and Ph.D. in Chemistry from Indian Institute of Technology (IIT), Chennai during 1986-87. The title of his Ph.D. thesis was "Magnetic Resonance Investigations of Some Inorganic Molecules." He joined the Central Salt & Marine Chemicals Research Institute (CSIR-CSMCRI), Bhavnagar during 1988 as Scientist and initiated work on Structure-Activity Correlations in Homogeneous Catalytic Systems using Electron Paramagnetic Resonance (EPR) Spectroscopy. He moved to National Chemical Laboratory (CSIR-NCL) in 1998 and is presently the Chief Scientist and Chairman of Catalysis and Inorganic Chemistry Division of CSIR-NCL.

**Academic and Research Achievements:** Dr. D. Srinivas made important contributions in the area of Catalysts and Catalysis in Biofuels Production. He discovered and developed highly efficient and reusable solid catalysts for production of biodiesel and biolubricants in a continuous process. The process developed by him has environmental, eco-friendly and economic advantages. Four of his patents in the area of biodiesel and biolubricants were licensed to an US-based company – Benefuel Inc. A commercial plant based on this technology is expected to be on stream in US in the fourth quarter of 2015. He made contributions in the area of carbon dioxide activation and utilization in producing fuels and chemicals. Dr. Srinivas' research interests include design of novel materials for catalytic applications, green chemistry, utilization of renewable feedstocks, material characterization by spectroscopic techniques, mechanistic investigations and structure-function correlations. He has 152 publications, 4 book chapters, 5 review articles and 110 foreign patents to his credit.

**Other Contributions:** Dr. Srinivas is a member of the Editorial Board of (1) Bulletin of Catalysis Society of India and (2) Catalysis Surveys from Asia - Springer and (3) Applied Catalysis A: General - Elsevier. He is a peer reviewer for several catalysis and material chemistry journals. He has visited several countries and delivered invited talks in international conferences.

**Awards and Honours:** Dr. Srinivas is the recipient of "Sistla Kameswari Young Scientist Award" of the Catalysis Society of India for the year 2000, VASVIK Technology award for the year 2011 in the category Chemical Sciences and NCL Research Foundation's Scientist of the Year Award in the year 2013. He is a Fellow of the Maharashtra Academy of Sciences (2000), Fellow of the Andhra Pradesh Academy of Sciences (2012), Life member of the National Magnetic Resonance Society, India, Life member of the National Academy of Sciences, Allahabad, India and Life member of the Catalysis Society of India (since 1998).


	Name	:	<b>Dr. Srinivas, Ragampeta</b>
	Born	:	28-07-1958
	FTAS	:	TAS/2006
	Address	:	Chief Scientist & Head, Mass & Analytical Division, Indian Institute of Chemical Technology (IICT), Hyderabad – 500007
	E-mail	:	<a href="mailto:srini@iict.res.in">srini@iict.res.in</a> ; <a href="mailto:srini.ragampeta@gmail.com">srini.ragampeta@gmail.com</a> ;
	Mobile	:	9440802806; 986665291; Res: 040-65289725;

B.Sc. and M. Sc chemistry, (OU, 1979) Ph.D. (I.I.T. Chennai, 1985). He joined IICT, as a scientist in 1984. DAAD fellow, (1989-1991) deputation to new mass spectrometric technique, Neutralization-Reionization mass spectrometry at Technical University Berlin Visiting scientist at Institute of Organic Chemistry, TU, Berlin (1999); Visited VG Analytical, Manchester, U.K (1995);.Attended conferences and seminars at, Manchester, U.K. (1990) Amsterdam (1991).

**Academic and Research Achievements:** Since the time he joined IICT, he contributed fundamental richly and applied research in organic and biological mass spectrometry Dr. Srinivas had standardized the NRMS technique at IICT in 1995 and characterized several reactive elusive species. He has also contributed significantly to mass spectrometry based studies on pharmaco kinetics, drug metabolism and forced degradation studies of several important drugs, hybrid peptides, and active ligands-quadruplex DNA interactions. Reviewer for many analytical journals. guided 9 PhDs and around 30 MS/MSc dissertations. Published more than 150 research papers in peer reviewed journals; Attended about **100** conferences and delivered lectures; Small molecules' in Cutting Edge July 2013 (a monograph from SPINCO BIOTECH)

**Other Contributions:** Dr Srinivas contributed significantly to the growth and development of National Institute of Pharmacy Education and Research (NIPER) . He served as a member of 'Task force on Biotech Facilities' of DBT.He has served Indo-German Nach Contact Association, Hyderabad like President, Secretary, Joint Secretary, Treasurer etc. and took active part in the organization of several seminars.

**Awards and Honours:** Editorial Board Member of "Journal of Mass Spectrometry" and "Open Spectroscopy Journal" Received "Eminent Mass Spectrometrists " award ( 2003). One of his papers (J. Am. Chem. Soc. 113, 5970 (1991) was adjudged by ' "The Scientist (USA)" as a hot paper in 1992; Fellow of Royal Society of Chemistry (London) IICT Special appreciation prize for achieving the OPCW (2008). The Netherlands) designated status as the IICT Gaurav Samman award (2008 and 2013); Advisory board member of National Authority of Chemical weapons convention, New Delhi. Life member Indian Society for Mass Spectrometry Indian Society of Analytical Scientists; Indian Science Congress Association (Life member); Chemical Research Society of India, IISC, Bangalore.

	<b>Name:</b> Dr. Srinivasa Rao Ch. <b>Born:</b> 04-10-1965 <b>FTAS:</b> TAS/2017 <b>Address:</b> Director, ICAR-National Academy of Agricultural Research Management (NAARM), Rajendranagar, Hyderabad – 500 030 <b>E-mail:</b> <i>cherukumalli2011@gmail.com, director@naarm.org.in</i> <b>Mobile:</b> Phone : 040-24015070, Mob: 91-9848848453
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#### **Education Qualifications and Work Experience:**

BSc (Ag) (1982-86) and M.Sc(Ag) (1986-88), from Agriculture College, Bapatla (ANGRAU); Ph.D from IARI (1988-92), New Delhi and Post-Doctoral from Tel-Aviv University, Israel. Worked at IISS, Bhopal; IIPR, Kanpur; ICRISAT, Patancheru and CRIDA, Hyderabad, Project Coordinator, AICRPDA; Director, CRIDA (2014-17) and Director, ICAR-NAARM (2017 to till date).

#### **Academic and Research Achievements:**

Soil Carbon Sequestration, Climate Change, Contingency Planning, Rainfed Mission Development, Agriculture Research Management and Strategy/Policy Development for ICAR. Led as National Coordinator for ICAR-flagship program on Climate Change, NICRA. He was technical Chairman of National Mission for Sustainable Agriculture, Climate Change Negotiator in Indian delegation represented at UNFCCC, SBSTA, COP meetings at Spain, Germany and France. Member of Indian Delegation at 49<sup>th</sup> Session of IPCC at Japan. Executive Board Member of IDDC, Cairo, Egypt and Member, Asian Carbon Network Group, Japan. Fellow of- National Academy of Sciences, India; National Academy of Agricultural Sciences; Indian Society of Soil Science; Indian Society of Pulses Research and Development; Andhra Pradesh Akademi of Sciences. He has **270** Research Papers and 41 Books to his credit.

**Awards and Honors:** For his outstanding research work, he received the Certificate of Merit ISCA, 1995; ISSS Golden Jubilee Young Scientist Award, 1997; ICAR Young Scientist Award, 1998; IPI-FAI Award, 1998; NAAS-Young Scientist Award-1998, Pran Vohra Memorial Award, 2000 and Dr. B.C. Deb Memorial Award, 2006 of ISCA; PPIC-FAI Award, 2006; Dhuru Morarjee Memorial Award of FAI, 1993 and 2003; ISPRD Recognition Award, 2006-07; Doreen Mashler Award by ICRISAT, 2007; ICRISAT Millennium Science Award, 2008; IPNI Prize 2008; Sukumar Basu Memorial Award of IARI, 2009; Vasantrao Naik Award of ICAR, 2009 and 2014; FAI Golden Jubilee Award, 2011; Padmasree Dr. I.V. Subba Rao Memorial Award from Rythunestam, 2012; IPI--FAI Award, 2012; Hari Om Ashram Award of ICAR 2014; NAAS-Recognition Award-2015, Rajbhasha Award by Ministry of Home Affairs-2016; Sardar Patel Outstanding ICAR Research Institute Award-2015; ICAR Award - Dr Rajendra Prasad Puraskar for Best Technical Books in Hindi in Agriculture -2018; Rajarshi Tandon Award of ICAR-2017, Digital Media Award of PRSI-2017; Chief Editor, ISDA, 2009 to 2013; Member, Editorial Board of Indian Journal of Agricultural Sciences (2016); Editor, Journal of Indian Society of Soil Science (2014-15); President, ISDA (2016-2018); President of a-Idea, President, AMARA Society; Convener, ICAR Task Force Committee on Hailstorm Management; Convener, State Coordination Committee for Doubling Farmers Income, Telangana and AP; Convener, NAAS-Hyderabad Chapter; Member of 12<sup>th</sup> Plan Project Review Committee, Indian Meteorological Department; Member, GTWG, Min. of S&T, Govt. of India; Member, NABARD Regional Advisory Group; Member, Executive Council, NCCT, MoA&FW, Govt of India; Member of EC, NAAS; Chairman, Member (ICAR nominee), Board of Management; ANGRAU and PJTSAU. Received prestigious awards from Hon'ble President of India and Hon'ble Prime Minister of India. Received Best Emerging Technology Business Incubator Award from DST, Govt. of India. Reviewer for 16 International Journals and visited more than 15 countries for scientific meetings.

	<p><b>Name:</b> Dr. SRINIVASA REDDY D.</p> <p><b>Born:</b> 10-04-1971</p> <p><b>Address:</b> Senior Scientist, Division of Organic Chemistry, National Chemical Laboratory, Pune, India.</p> <p><b>Telephone:</b> + 91-20-2590-2445</p> <p><b>E-mail:</b> <a href="mailto:ds.reddy@ncl.res.in">ds.reddy@ncl.res.in</a></p> <p><b>Mobile:</b> +91-9850952349</p>
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PhD, University of Hyderabad (2000), Post doctoral research at the University of Chicago, and University of Kansas, USA. He started his career in pharmaceutical industry in the year 2003 at Dr. Reddy's Laboratories as a principal scientist. After 4 years, he moved to TATA Advinus Therapeutics as a group leader of their Discovery Chemistry research wing, he was promoted as the section head. He joined as a senior scientist in CSIR-NCL, Pune.

**Academic and Research Achievements:** His research has been focused on total synthesis of natural products and medicinal chemistry with an ultimate aim of discovering drugs. In addition, he also made significant contribution towards crop protections. His research group accomplished total synthesis of more than 25 natural products which includes cell-adhesion inhibitors, antibacterial, anti-inflammatory, anti-cancer agents and insect repellents. The two projects he was leading at Dr. Reddy's and TATA Advinus went through a full cycle of hit identification, hits-to-leads and lead optimization phases and led to optimized drug candidates. In fact, one of the molecules (Likogliflozin, LIK066) is currently undergoing Phase-II human clinical trials for the treatment of diabetes/obesity. One of his current research projects, he employs the Silicon-incorporation approach on known drugs or drug like compounds in search for Novel drugs with improved properties is in an interesting approach.

**Other Contributions:** He published over 90 research papers in peer-reviewed journals and filed more than 35 patents, also guided more than 10 PhD students. He is Editor of Bioorganic and Medicinal Chemistry letters and Member of Scientific body of Indian Pharmacopoeia, Govt. of India.

**Awards and Honors:** He received several awards and Honors including, the Award for Excellence in Drug Research of the Central Drug Research Institute in 2013, Scientist of the Year Award of the National Chemical Laboratory the same year, the prestigious Shanti Swarup Bhatnagar Award (SSB) in Chemical Sciences in 2015. NASI-Reliance Industries Platinum Jubilee Award for application oriented innovations in physical sciences, elected as a Fellow of the Maharashtra and Telengana Academy of Sciences in 2016, CRSI Bronze Medal in recognition of his contribution in chemical science in 2016, elected as a Fellow of the National Academy of Sciences, India – NASI in 2017, OPPI (Organization of Pharmaceutical Producers of India) Scientist Award in 2017, Sun Pharma Research Award (Ranbaxy Research Award) in the field of pharmaceutical sciences in 2018, KKG Menon Memorial Lecture Award of Institute of Chemical Technology, Mumbai in 2018.



	<b>Name:</b> Dr. Srinivasa Sarma D. <b>Born:</b> 01-11- 1970 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> Geochemistry Group, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad -500007 <b>E-mail:</b> <a href="mailto:dssarma@ngri.res.in">dssarma@ngri.res.in</a> / <a href="mailto:dsrinivasasarma@gmail.com">dsrinivasasarma@gmail.com</a> <b>Mobile:</b> 91-9346250942
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B.Sc., in Geology, Physics, Chemistry from Osmania University in 1992, M.Sc., in Applied Geochemistry from Osmania University in the year 1995; Ph. D from NGRI-OU in the year 2003 on “Geochemistry and Genesis of Gold mineralization in Banded Iron Formations of Gadag Greenstone Belt, Dharwar Craton, South India”. Post-Doctoral research conducted at the University of Western Australia, Perth, Australia and University of Alberta, Canada. Currently working as Senior Principal Scientist & Professor-AcSIR at CSIR-National Geophysical Research Institute, Hyderabad.

**Academic and Research Achievements:** Guided three Ph.D. students, and five more students currently pursuing for their doctoral theses work. Ten Master’s students have been guided to obtain their dissertations. Mentored three Post-Doctoral Fellows. Main area of work is to directly date the gold mineralization events in the Archean gold deposits of the country. Have age dated several gold deposits by erecting their paragenetic sequence by carrying out extensive Scanning Electronic Microscopic studies on the gold deposits. First time in the country mineralization event for Hutti gold deposit have been published in an internationally reputed Journal ‘Economic Geology’. Mineralization ages for several other gold deposits have been published in various Journals of repute, in the field of research. Published more than 50 research articles in the peer reviewed Journals.

**Other Contributions:** Established the SEM-EDS facility at CSIR-NGRI, and involved in establishing Thermal extraction Pb-Pb baddeleyite dating protocols by TIMS with as much precision as 3 Ma.

**Awards and Honors:** Obtained First Rank in the M.Sc., Applied Geochemistry, Osmania University. Awarded BOYSCAST Post-Doctoral Fellowship by Department of Science and Technology, Government of India. Awarded Raman Research Fellowship by Council of Scientific and Industrial Research. Won Indo-Australian grant proposal and lead a successful project on gold mineralization in Dharwar Craton, South India. Elected Life Fellow of the Geological Society of India, Indian Geophysical Union, Indian Society of Applied Geochemists. Served as reviewer for several national and International Journals.





<b>Name:</b>	<b>Prof. Srinivasulu T.</b>
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<b>Mobile:</b>	91-7013489635

B. Tech. (Electronics and Communication Engineering), SV University, 1988. M.Tech (Electronics and Instrumentation), IIT(ISM) Dhanbad 1997, Ph. D. (Real Time Systems), Kyushu University, Japan, 2005 and Proficiency Courses/diplomas from IISc Bangalore, CEDTI Gorakhpur, NPA and NRDC New Delhi. Working as Professor, Department of Electronics and Communication Engineering, Kakatiya University Warangal.

**Academic and Research Achievements:** Guided 04 Ph. D. students and 28 M. Tech students, Research interest in cognitive radio networks, wireless sensor networks, IOT, Embedded Systems and wireless communication. Published more than 156 peer reviewed articles in journal and conference proceedings.

He is peer reviewer for Elsevier International Journals (SCIE and Scopus), ISOI Journal, and IEEE Access (Scopus). He is editorial board member of IJAA, IJRI, IJECE, IJCSE, International Journal of Sensor and Sensor Networks, Science Publishing Group of USA (Scopus), International Journal of Research and Innovation (Scopus), SCIREA Journal of Computer science and International Conference Proceedings. He has obtained product patent of MBSC system and commercialized. One more product patent on CASE system is in progress. He has successfully completed 15 Industry, DST and AICTE sponsored research projects as Principal Investigator. Published a book on Real Time System for Coal Mine Applications .

**Awards and Honors:** Recipient IETE Biman Behari Memorial Award, International Bridge Fellowship, International JSPS Fellowship, International JSPS Medal, Best paper awards, Gold card from NSL USA, Elsevier award for outstanding contributions. Fellow of Institution of Electronics and Telecommunication Engineers (IETE) and Fellow of Telangana Academy of Sciences (TAS). Delivered invited expert and plenary talks at University of Malaysia, Kyushu University, CUMT China, Yamaguchi University Japan, and Gas Malaysia, KL

**Other Contributions:** He was a Joint Secretary to ISOI Bangalore and also secretary to Instrument Society of India, Hyderabad. He is Executive Council member of India -Japan Alumni Association. He has been expert member of MEXT International fellowships of Govt. of Japan, Since 2016 and also other International fellowships. He is Life Member of ISTE, BCSI, ISCA, and ISOI. He is member of International Professional bodies IEEE, IACSIT, SDIWC, and IAENG. He was served as BOS member of JNTU Hyderabad and BOS Chairperson of KU to ECE and EIE.



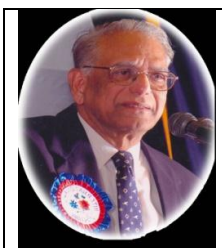
<b>Name:</b>	<b>Dr. Sri Padmavati B.</b>
<b>Born:</b>	24-10-1965
<b>Elected:</b>	TAS/2017
<b>Address:</b>	School of Mathematics & Statistics University of Hyderabad, Hyderabad -500046
<b>E-mail:</b>	bs.padmavathi@gmail.com
<b>Mobile:</b>	91-9849639796

M.Sc. Mathematics, (University of Hyderabad, 1988). M.Phil. Applied Mathematics, (University of Hyderabad, 1990). Ph. D. Applied Mathematics, (University of Hyderabad, 1994). CSIR Research Associate, 1994-1995, National Board for Higher Mathematics (NBHM) Post Doc. 1995-1997. Joined as a Lecturer and also worked as an Assistant Professor at I.I.T. Delhi (1997- 2000). Joined University of Hyderabad in Dec. 2000 as a Reader, and since 2007 a Professor Presently Dean of School of Mathematics and Statistics.

**Academic and Research Achievements:** Guided 1 Ph. D. and 3 M.Sc. students for dissertations and 2 I.M.Sc. students for final year projects. Research interest in Stokes flows and flow through porous media. Published 29 papers in reputed journals which are the best in her research area. Discussed general solutions of Stokes, Oseen and Brinkman equations and their completeness and employed them to many boundary value values. In addition, developed a new technique with her research group to discuss corresponding boundary value problems for arbitrary shaped bodies. Recently received the approval for funding of a project by DST SERB (MATRICS).

**Other Contributions:** Member of the Local Organizing Committee and Local Co-ordinator of International Conference of Women Mathematicians (ICWM 2010), UoH, held prior to ICM 2010 in August, 2010. Gave invited talks in several colleges and universities for promoting mathematics and for encouraging women to take up research in mathematics as a career option apart from technical talks. In particular, was invited to give 3 distinguished talks sponsored by Committee for Women in Mathematics, International Mathematics Union (CWM, IMU) and Indian Women and Mathematics, National Board for Higher Mathematics (IWM, NBHM), under IWM initiative in 2016. Presently the Co-ordinator of UGC SAP, DSA-I.


**Awards and Honors:** Received National Scholarship under the National Scholarships Scheme of Government of India for meritorious performance in S.S.C., Intermediate and B.Sc. examinations. Secured second rank in M.Sc. Secured CSIR J.R.F. & S.R.F. (1988-93). Awarded the Ramanujan Memorial Award by Ramanujan Mathematical Academy (2017). Elected Fellow of Telangana Academy of Sciences (TAS) (2017). Member of Indian National Committee for International Union of Theoretical and Applied Mechanics (IUTAM) (Jan. 2016-Dec. 2019) and Member of National Executive Committee of Indian Women and Mathematics (IWM) (April 2016-March 2018).

	<b>Name:</b> Prof. Subbarao Kakarla <b>Born:</b> 25-01-1925 <b>FTAS:</b> TAS/ <b>Address:</b> KREST, Shaikpet Nala, Hyderabad. 500008 <b>E-mail:</b> subbaraokakarla25@gmail.com, <b>Mobile:</b> 91-9889231759
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M.B.B.S. (AMC), M.S. (NYU), FACR, FRCR, D.Sc. (Hon). Past Director of Nizam's Institute of Medical Sciences; presently Emeritus Professor, NIMS; Visiting professor, KIMS; President, International Educational Academy; Patron, Musculo Skeletal Society of India; Chairman, KFRC (KIMS Foundation and Research Centre, Secunderabad), Patron, Indian Radiological Association A.P. Branch, Former Medical Advisor to Government of Andhra Pradesh and Government of Mauritius; Former Chairman, Sri Venkateswara institution of Medical Sciences, Tirupati; Former member, Court of Governors, Administrative Staff College of India; Former lifetime Trustee of Andhra Mahila Sabha, Hyderabad; Former Chairman, Vijana Jyothi Society, Hyderabad; Former National President, Indian Radiological and Imaging Association; Former Chairman, Indian College of Radiology; Former Professor, Albert Einstein College of Medicine, Bronx, New York and Osmania Medical College, Hyderabad.

**Academic and Research Achievements:** Published more than 300 scientific papers, presented 500 talks on radiology, contributed to chapters in 10 books pertaining to radiology, participating in CMEs of KREST, NIMS and KIMS, Honorary Editor, Journal of Medical and Scientific Research, Member, Advisory Board of Journal of Musculo Skeletal Society of India.


**Awards and Honors:** Padmasri in 2000, Lifetime Achievement Awards from 10 organizations, Gold medals for orations from several institutions, Examiner for several universities in Diagnostic Radiology, India and U.S.A.

	<p> <b>Name : Dr. Subba Reddy B.V.</b>  <b>Born : 10-06-1970</b>  <b>FTAS : TAS-2014</b>  <b>Address : Sr. principle Scientist, Natural Products Chemistry, Indian Institute of Chemical Technology(IICT), Uppal Road,Hyderabad-500007</b>  <b>Mobile : 9494540587; Off: 040-27193535</b>  <b>E-Mail : <a href="mailto:basireddy@iict.res.in">basireddy@iict.res.in</a></b> </p>
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**Academic and Research Achievements:** Developed novel synthetic methodologies in the area of Prins and related cyclizations and their application to the total synthesis of biologically interesting Natural Products. Tandem Prins cyclization processes such as Prins bicyclization, aza-Prins bicyclization, thia-Prins bicyclization have been developed for producing heterobicycles such as dioxo-, diaza-, dithia-, oxa-aza-, oxa-thia- and aza-thia-bicycles. The Prins/Friedel-Crafts reaction has been developed for the first time for the synthesis of biologically active benzo[f]isochromene, benzo[f]isoquinoline, and benzo[f]isothiochromene in a single step process. The above cascade process has been successfully extended to the stereoselective synthesis of pyrano/thiopyrano[3,4-c]quinolines and pyrano/thiopyrano[4,3-a]carbazole derivatives A variety of natural products such as sesamin lignans, calyxins, podophyllotoxin and cryptocaryolone, leiocarpin, polyrhacitide A and B have been synthesized using our own Prins cascade strategy. D

**Other Contributions:** In collaboration with Colgate-Palmolive Company, I have successfully developed novel process technologies for the commercial of magnolol derivatives which are being used in tooth paste, hand wash, shampoo and skin care products. Synthesis of magnolol and its analogue compounds (Docket No. 8966-00-OC) Process for making propyl isomagnolol (PCT/US2012/023072) Developed novel chiral ligands such as glucobox, binol phosphoric acids and sugar thiourea catalysts for asymmetric synthesis. Developed Ligand directed  $\beta$ -activation of carboxylic acids and ortho-functionalization of lignad tethered aromatic systems using Pd(II). A large number of optically active heterocycles such as substituted furans, pyrroles, pyrazoles, benzodiazepines, benzopyrans and heterobicycles such as oxa-aza-bicyclononene and annulated pyrroles have been produced from carbohydrates through MCRs.

**Awards and Honors:** 2010 Alexander von Humboldt Fellowship Best Research Performance Alexander von Humboldt Foundation 2010 CRSI Young Scientist Outstanding contributions to Chemistry Chemical Research Society of India 2009 IICT Roll of Honor Award Based on Research Publications, Citations and Hindex Indian Institute of Chemical Technology 2009 A V Rama Rao Young Scientist Award Based on Research Publications, Citations and Hindex. AVRA Research Foundation 2008 Scopus Young Scientist Award for Chemistry Based on Research Publications, Citations and Hindex. Elsevier Science 2008 Special Appreciation Prize Best Performance Award for the Year 2007 for publishing highest number of research papers 52 with a total impact factor 124.50. Indian Institute of Chemical Technology 2002 Best Performance Award Highest number of Research Publications (35) in a single calendar year 2001 (Total IF 78.2); Average IF = 2.23 Indian Institute of Chemical Technology 2001 Director's Special Award Outstanding effort in publishing highest number of papers (24) in a single calendar year 2000 (IF 50.4) Indian Institute of Chemical Technology 1995 Y.S. Raja Reddy GOLD MEDAL for the year 1995. Obtaining First Rank in MSc at University Level. Srikrishna Devaraya University.

	<p><b>Name:</b> Prof. SUBHADRA K.G.</p> <p><b>Born:</b> 05-05-1947</p> <p><b>FTAS:</b> TAS/2005</p> <p><b>Address:</b> 832/9, Manasarovar Heights – II, Manovikas Nagar P.O, Hasmathpet, Secunderabad – 500009</p> <p><b>Mobile:</b> 9848561429</p> <p><b>E-mail:</b> <a href="mailto:kgsubhadra@yahoo.com">kgsubhadra@yahoo.com</a>;</p>
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Prof. K.G. Subhadra obtained M.Sc (physics) from Osmania University in 1968 and was awarded Ph.D in 1976 in the area of Solid State Physics (X-ray crystallography). She worked as a faculty member in 1970 initially under Osmania University and subsequently at Kakatiya University upto 2007. She was Head, Department of Physics (1997-1999) and Dean, Faculty of Sciences (2002-2004), Kakatiya University.

**Academic and Research Achievements:** Dr. K.G. Subhadra has teaching and research experience of more than three decades. Her research focus was X-ray Crystallography and Materials Science. She studied a wide range of materials like alkali halides, their mixed crystal systems, rare earth chalcogenides like SmS, TmSe, EuSe and EuTe, some II-VI and III-V semiconductors and divalent chalcogenides using X-ray powder techniques. Dr. Subhadra also made microhardness measurements of several materials including Eu chalcogenides, Lithium niobate and some rare earth garnets. These values were correlated with elastic constant data. She also estimated the surface hardness of crystals with different structures and bonding from dynamic hardness measurements. Apart from using experimental techniques for the study of materials Dr. Subhadra theoretically estimated the pressure dependence of Debye temperatures; such information is practically non-existent/difficult to measure experimentally. Her work using empirical correlations to sift the correct bulk modulus from a set of divergent experimental data has mention in the book “Rules of Thumb for Physical scientists” published by Trans Tech Publications, USA. She has about fifty research publications in Scientific Journals of repute.

**Other Contributions:** Prof. Subhadra was actively involved in the design and fabrication of a versatile indigenous high temperature X-ray powder camera which can be used in place of the more expensive Unicam camera. This camera is used by other Universities where such X-ray work is being carried out. She has co-authored five books. These include a book on experiments in Solid-state Physics for post graduate and Engineering students, and four books published as volumes in Materials science by Springer-Verlag, Germany, during the period 2001-2014.

**Awards and Honours:** Prof. Subhadra received three best paper presentation awards at the National Seminars on Crystallography (1994-1997)

	<b>Name: Dr. Ch. Subramaniam</b>
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	<b>Name:</b> Prof. Subramanyam. Rajagopal <b>Born:</b> 14-06-1970 <b>FTSA:</b> TAS-2013 <b>Address:</b> Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Gachibowli Hyderabad-500 046 <b>E-mail:</b> <a href="mailto:srgsl@uohyd.ernet.in">srgsl@uohyd.ernet.in</a> ; rajagopal98@gmail.com <b>Mobile:</b> 9866046509
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MSc-Biochemistry (SVU), PhD-Biochemistry (SVU), work done at JNU, New Delhi: doctoral work on ultraviolet radiation effect on photosynthetic organism of cyanobacteria. Postdoctoral training at Biological research center, Szeged, Hungary and University of Quebec at Trois-riviers, Canada and Arizona State University, USA on various aspects of photosynthesis electron transport mechanism, macro-organization of LHCII, light stress effect on photosystem I complexes. Also, trained in structural biology related to Chlamydomonas photosystem I structure. Joined as Assistant Professor, Department of Biochemistry, University of Hyderabad in 2005. Later visiting Scholar to Arizona State University, USA; 2006, 2007, 2008; visiting fellow Biological Research Center, Hungary 2009; visiting Scientist to Okayama University, Japan, 2011, 2012, 2013, 2015, 2016.


**Academic and Research Achievements:** He is actively Teaching Foundation Biology 1&2; Computer applications in Biology; Metabolomics and plant biochemistry; Proteomics and protein chemistry, Enzymology and Biophysical chemistry. His group made significant contributions in Plant Biology, particularly in the area of Chloroplast Bioenergetics.

His research focus was on the activity and components of photosynthetic apparatus in cyanobacteria, algae and higher plants during abiotic stress adaptation. His group studied in detail the structural organizational dynamics of photosystems (PS) and their light harvesting complexes (LHC) of PSII-LHCII and PSI-LHCI of *Chlamydomonas reinhardtii* and *Arabidopsis thaliana* under moderate stress like light, temperature and salt. He discovered that under fluctuating light, the light harvesting complex II-LHCB2 undergoes phosphorylation triggering dissociation of the entire LHCII from PS II and eventual migration to PSI. The temperature and salt stress induced state transitions (balancing energy transfer between PS II and PSI) in both *C. reinhardtii* and *A. thaliana*, constituting an important protective strategy under those stress conditions. Similarly, Dr. Rajagopal's group studied the influence of iron deficiency on the organization of photosynthetic apparatus and proposed a structural model of photosystem I from *C. reinhardtii*. Further, overexpression of ferredoxin NADP reductase in chloroplast of *C. reinhardtii* conferred protection against abiotic stress. His group has applied biophysical, biochemical, molecular and bioinformatics tools, to detect the changes in photosystems. In addition, Dr. Rajagopal's lab has used proteomics and metabolomics-based approaches to identify the abiotic stress responsive signaling events in chloroplasts of higher plants, and algal systems. Dr. Rajagopal provided a fundamental understanding of abiotic stress tolerance with emphasis on adaptations of photosynthetic apparatus. His findings can help in sustenance of photosynthesis in plants/algae.

**Other Contributions:** Published over 80 research papers in peer-reviewed journals and guided 7 PhD students. Associate Editor of PLOS One and Editorial board member of Journal of Photochemistry and Photobiology B. Actively involved in various scientific programs and having several scientific projects from various grant agencies.

**Awards and Honors:** Fellow of the National Academy of Sciences, India (2016). He is a recipient of Chancellor Award 2014, University of Hyderabad, Hyderabad.



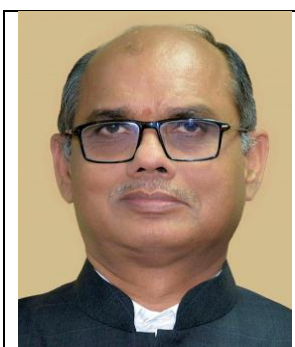
	<b>Name:</b>	<b>Dr. SUDHAKAR P.</b>
	<b>Born:</b>	10-10-1956
	<b>FTAS:</b>	TAS/2014
	<b>Address:</b>	C 1, R J Enclave, Hilltop Colony, Errum Manzil, HYDERABAD 500 082
	<b>Email:</b>	<a href="mailto:sudhakar_potluri@yahoo.com">sudhakar_potluri@yahoo.com</a> ,
	<b>Mobile:</b>	91 9490611793

**Academic background:** Graduation (B. Tech) in Electrical Engineering from (NIT, Warangal). (M. Tech) in Integrated Electronics and Circuits (Indian Institute of Technology, Delhi).  
Advanced Management Program at European schools of Management in France, Germany and Italy.

**Academic and Research Achievements:** Working as Adviser (Officer on Special Duty) to Chairman, Atomic Energy Commission (AEC) and Secretary, Department of Atomic Energy (DAE) Chairman and Managing Director (2013-2016), of Electronics Corporation of India Limited (ECIL). Served ECIL for 37 years in various capacities. Specialized in the field of Control and Instrumentation systems. Developed Mission Critical Electronic Systems required for Indian Nuclear Program in association with Bhabha Atomic Research Centre and established world class production facilities to manufacture and deliver the equipment to all the indigenously built 220, 500, 700 MW Nuclear Power Plants. Monitored the deployment of indigenously built Radiation Detection Equipment at all the major Airports and seaports of the country to prevent illegal trafficking of nuclear materials . Participated in ‘Big Discovery Science’ programs like Facility for Anti proton and Ion Research (FAIR) of Germany and International Thermo nuclear Experimental Reactor (ITER) of France and played a key role in the indigenous development, manufacture and supply of some critical equipment required for them. Expert in the development of Electronic Systems and played a key role in bringing out Electronic Voting Machine (EVM) which revolutionized the election process in India. Designed and developed Command and Control systems required for various Strategic Programs in association with Defence Research and Development Organization and established the eco System for manufacture and supply of the same to Indian Armed Forces. Played a significant role in establishing a Joint Venture Company with an American enterprise for the manufacture and supply of Cargo & Baggage Inspection systems for the Transportation sector and served as a Director on its Board. Successfully designed, developed, manufactured and supplied every type of Antenna Systems required for Indian Space Program including the Internationally acclaimed 32-meter-Deep Space Antenna used in Chandrayan and Mangalyaan missions

**Other Contributions:** Member of the Research Council, CSIR- CEERI, Pilani, Rajasthan  
Member of the Governing Council and Steering Committee, C-MET, Pune, Maharashtra. Member of the Governing Council, SAMEER, Mumbai, Maharashtra. Independent External Monitor for Bharat Dynamics Limited (BDL), Hyderabad, Member in the high-level selection committees of MeitY and CSIR. Member in the Progress Review and Steering Groups of the Technology development projects of national interest.

**Awards and Honours:** Received Awards for excellence in R&D, Technology development and Innovation, Industrial Excellence and Best Industry. Awarded Electronics Man of the Year for 2013-14. Distinguished Alumni Professional Achievement Award by NIT, Warangal. lifetime Achievement Award by International Society for Automation the outstanding contributions to Automation in India. And Recipient of Col Nagender Rao Memorial Award


	<p><b>Name:</b> Dr. Sudheer Kumar S.</p> <p><b>Born:</b> 01-06-1960</p> <p><b>Elected:</b> TAS/2018</p> <p><b>Address:</b> Administrative Building, Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad - 500030</p> <p><b>E-mail:</b> <a href="mailto:sudheerkumarsagi@gmail.com">sudheerkumarsagi@gmail.com</a></p> <p><b>Mobile:</b> 91-9391091071</p>
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M.Sc. (Genetics and Plant Breeding), Himachal Pradesh Krishi Vishva Vidyalaya, Palampur, Himachal Pradesh 1985 and Ph.D. (Genetics and Plant Breeding), Gujarat Agricultural University, Anand Gujarat 1996. Joined the University in 1986 as Assistant Professor and elevated to the post of Associate Professor and Professor in the year 2000 and 2008 respectively. Presently working as Registrar at Professor Jayashankar Telangana State Agricultural University.

**Academic and Research Achievements:** Guided 8 Ph.D and 22 M.Sc. students. Actively involved in teaching and Research programs. Developed two rice varieties Jagtiala Sannalu and Polasa Prabha which are short duration, Gall midge resistant and fine grain varieties with high yield. Taught courses for Undergraduate, Post Graduate and Ph.D. students, with specialization in Biometrical Genetics and Seed Technology. Published more than 70 articles in peer reviewed journals.

**Other Contributions:** Implemented Student Academic Repository for online results of the students, Students degree certificates were placed on National repository and started the online evaluation of answer scripts for undergraduate programs. Completed the recruitment of 180 Assistant Professors in different faculties. Started two Krishi Vignan Kendras, Four new Polytechnics, three Agricultural Colleges, One Food Science and Technology college, with required infrastructure facilities like College and Hostel Buildings etc. Green initiatives were taken up like sewerage treatment plants at hostels, Rain water harvesting and Solar power generation on the roof tops etc.

**Awards and Honors:** Recipient of CSIR scholarship for Ph. D program. Selected for ANGRAU Meritorious best teacher award in the year 2004, ICAR sponsored Best Teacher Award in the year 2010 and Andhra Pradesh State Award for Meritorious teachers in the year 2013.

	<p> <b>Name:</b> Dr. Sugunakar Reddy M.  <b>Born:</b> 30-10-1937  <b>FTAS:</b> TAS/1990  <b>Address:</b> 1-7-145/16, Srinivasa Nagar, Zamistanpur, Hyderabad-500 020  <b>Mobile:</b> 9441677401/9573500217  <b>Email:</b> <a href="mailto:srmahakala@gmail.com">srmahakala@gmail.com</a> </p>
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B. Sc Agriculture (OU, 1960), M. Sc . Agriculture, Plant pathology,(OU, 1962), Ph. D. (Kansas state University 1973). Joined A.P. Agriculture University (1964), as Research Officer in the Dept. of plant pathology. Served as Associate Director of Research, principal of Agriculture college Bapatla and Dean of Agriculture. Started the Bird Watchers club of Hyderabad in 1980 which had later grown into “Bird Watches Society of Andhra Pradesh”.


#### **Academic and Research Achievements:**

Dr. Reddy is best known for the revision of the taxonomy of the Order promycetales published a monograph in “ Mycotaxon” a published from Ithaca, USA, and a much cited reference in “Alexander Introductory Mycology” . He worked on several aspects of the acquired fungicide resistance in fungi. He was on part of a multidisciplinary group which established the etiology and mode of transmission of Bud Necrosis in Groundnut . Several noteworthy research projects were executed by his M.Sc. (Ag) and Ph. D students, one of whom developed a repeatable technique for in vitro germination of oospores of Sclerospora graminicola which was considered as a path breaking work. He is highly regarded both as a teacher and an administrator for his valuable contributions to agricultural education in the state also in country wide agricultural universities.

**Other Activates:** He is much sought after by farmers for his prowess in field diagnosis of plant diseases and remedial recommendations,. He is closely associated with farming community of the various agro climatic zones and the conduct of Kisan melas, ZREAC meeting and farmers fore. He formulated proposals for improvement of research programmes and infrastructure facilities in 5 out of the 7 agro climatic zones as Associate Director of Research (NARP)

#### **Awards and Honors:**

Received the Prestigious Jawaharlal Nehru Award for best Ph. D thesis (1991). bestowed with the “LIFE TIME ACHIEVMENT AWARD” on the occasion of the first foundation Day of PJTSAU (3.9.2015). His commitment to professional excellence is evidenced by the honors, peer recognition and membership in prestigious professional and other academic bodies like the Sigma xi, Gama Sigma Delta Society of Agricultural Scientists in USA, Fellow if Indian Phytopathological Society, New Delhi.


	<b>Name</b> : <b>Dr. Sujatha M.</b>
	<b>Born</b> : 19-09-1961
	<b>FTAS</b> : TAS/2010
	<b>Address</b> : Principal Scientist, Indian Institute of Oil seeds Research(Formerly Directorate of Oilseeds Research), Rajedranagar, Hyderabad-50003
	<b>Mobile</b> : <b>9440880335</b>
	<b>E-mail</b> : <a href="mailto:mulpurisujata@yahoo.com">mulpurisujata@yahoo.com</a> ,

Sujatha obtained her M.Sc and M.Phil in Plant Sciences from School of Life Sciences, University of Hyderabad, Hyderabad and PhD in Genetics from Osmania University. She joined the Indian Institute of Oilseeds Research (IIOR) as a ARS-Scientist visited University of Rehovet, Israel; University of Arizona; USA, USDA-ARS, Fargo, USA, Xishuangbanna Tropical Botanical Garden, China.

**Academic and Research Achievements:** Dr. Sujatha possesses rich experience in plant genetics, wide hybridization, marker assisted breeding, tissue culture and biotechnology. She has developed male sterile lines in safflower which paved way for the first public sector hybrid in India, sunflower (first cytoplasm from India to be given the FAO code as ARG6) and niger. Perfected tissue culture and genetic transformation protocols for castor, sunflower, safflower, niger and *Jatropha*. She has developed insect resistant transgenics in castor through deployment of *Cry1Ec* and *Cry1Aa* genes and subjected them to preliminary field evaluation as well. She has tagged and mapped a new source of downy mildew resistance gene (*Pl13*) at a close distance of 0.9 cM and a fertility restorer locus *Rf3* in sunflower. Developed transformation protocols by circumventing the difficulties associated with sunflower and developed transgenics harbouring the TSV-CP gene for conferring resistance to sunflower necrosis disease. She has successfully disclosed the regions of genetic diversity and gene flow in *Jatropha curcas* using biochemical characters and molecular markers which provided valuable clues for widening the genetic base of the crop; developed reproducible molecular markers for distinguishing toxic and non-toxic *J. curcas* accessions as a prelude for marker assisted breeding. Use of these molecular markers for identification of non-toxic genotypes has been successfully demonstrated at Mexico. Dr. Sujatha has developed prebreeding materials in sunflower through interspecific hybridization which are being used in the AICRP network on sunflower in India as sources of resistance to several biotic/abiotic stresses and for other desirable agronomic attributes.

**Other Contributions:** She has co-edited 2 books on *Jatropha* for Springer. Organized a Winter school as Course Director on Molecular Breeding Approaches for the Genetic Enhancement in Oilseed Crops. Was an advisory consultant for M/S Naturol Bioenergy Ltd, Hyderabad and M/S J.K. Agrigenetics, Hyderabad.

**Awards and Honours:** She is recipient of the Panjabrao Deshmukh Woman Agricultural Scientist Award of ICAR; Fellow of National Academy of Science, India; Fellow of the Indian Society of Oilseeds Research; Fellow of TSAS; Board member of International Sunflower Association. She has received fellowships from prestigious organizations like UNESCO-BAC, Netherlands Fellowship Programme (thrice), DBT Overseas Associateship, FAO-GIPB award for the study on Harnessing the potential of bioenergy Crops- *Jatropha curcas*; TWAS-CAS Fellowship. She has peer-reviewed BBSRC-DBT proposals. External member of the Institute Biosafety Committee (IBSC) of ICRISAT; Directorate of Rice Research, Hyderabad; Tierra Seeds, Hyderabad, Nuziveedu Seeds Limited, Amar Biotech, Directorate of Poultry Research.


	<p><b>Name:</b> Dr. Sumanta Kumar Patra</p> <p><b>Born:</b> 20-06-1961</p> <p><b>FTSA:</b> TAS/2010</p> <p><b>Address:</b> Scientist/Engineer 'H' Advance Data Processing Research Institute (ADRIN) Govt of India, Dept of Space203, Akbar Road, Manovikas Nagar Post Secunderabad -500 009</p> <p><b>Mobile:</b> 9652504242</p> <p><b>E-mail:</b> <a href="mailto:patra.sumant@gmail.com">patra.sumant@gmail.com</a>, <a href="mailto:skpatra@adrin.res.in">skpatra@adrin.res.in</a>;</p>
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M. Sc. (Physics), Jyoti Vihar, Burla, Sambalpur University, Odisha, 1984, M. Tech. (Atmospheric Science and Technology), IIT, Khragpur, 1986, Ph D (Electronic Sciences), Berhampur University, Odisha, 2014

**Academic and Research Achievements:** Dr. Sumanta Kumar Patra of Advanced Data Processing Research Institute (ADRIN), Hyderabad has been working in the broad areas of Remote Sensing Data Analysis for the last 28 years. His significant contributions are in developing Synthetic Aperture Radar Pre-processing and Post-processing softwares. The other major areas of his contributions are in image restoration, image super-resolution, image exploitation and spatial resolution improvement in high resolution optical and SAR images to name a few. In all these areas of work, he has brought together the understanding of sensors and their complex imaging characteristics, signal processing methodologies, optimal implementation and operationalising the applications software. He belongs to a small group of scientists leading the SAR data processing community in the country. This has direct and potential applications in civil and military areas. Many of these methods have been operationally put to use. Presently, Dr. S K Patra is the **Group Director, Sensor Data Processing Group (SPG)**, ADRIN responsible for conceptualization, algorithm development and operationalization of satellite data processing and exploitation packages, pertaining to Electro-Optical (EO) and Synthetic Aperture Radar (SAR) platforms.

**Other Contributions:** Published over 21 research papers in peer-reviewed journals and conferences. Generated many internal communications to various projects within office and ISRO.

**Awards and Honors:** Life member, Indian Society of Geomatics. ISRO's Team Excellence Award – 2009 for DiPAMS. ISRO - ASI award – 2012 on Space Science and applications. ISRO Merit Award - 2015

	<b>Name</b> : Dr. Sunandana C.S., <b>Born</b> : 17-06-1949 <b>FTAS</b> : TAS/2007 <b>Address</b> : (School of Physics, UoH), Plot No.160, Doyens Township, Serilingampally, Hyderabad-500 019 <b>E-mail</b> : <a href="mailto:sunandana@gmail.com">sunandana@gmail.com</a> ; <b>Mobile</b> : 9959539595; Off: 23134324
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Sunandana obtained his MSc in Physics from the Indian Institute of Technology Madras(IITM)in 1970 and PhD from IITM in 1976 for the thesis on “ESR Studies on Some Irradiated and Doped Sulphates’. After a post-doctoral stint at the Materials Science Research Centre ,IITM, he joined the faculty of the School of Physics University of Hyderabad in 1981. At UoH he initiated and pursued research in Solid State Ionics. After superannuation as Professor in 2014 he has been Honorary Professor. He has visited Japan(1989), Malaysia(1995) and the United States (2002,2008,2009,2012).

**Academic and Research Achievements:** Professor Sunandana has brought to bear his doctoral and post-doctoral research to bear on his professional (teaching and research) at the University of Hyderabad. This endeavor has resulted in twenty Masters and ten Doctoral projects in Materials Science and Physics of Materials. Almost all of these students have settled down in academic and research institutions as faculty or scientist. Significant contributions include: 1. the application of ESR to elucidate the mechanism of ion conduction in a silver iodo borate glass, 2. Synthesis and characterization of a lithium tellurite glass, 3. Development of chemically carved silver nanostructures and their plasmonic and excitonic behavior with potential for opto-electronic applications. This last investigations have used a simple figure of eight glass iodinator that could be suitably modified for in-situ investigations on metal/semiconductor nanostructures.

**Other Contributions:** Professor Sunandana has been involved over the years in organizations such as the VijnanaVedika of the University of Hyderabad. He has been producing since 1991 a monthly poster ‘IMPERTINENT QUESTIONS’ featuring motivating science issues and original poetry.

**Awards and Honours:** He has won many Scholarships during his educational career. He is a Foundation member of the Materials Research Society of India, and a Life member of the Indian Physics Association. He has served on the Editorial Board of the Journal of Nano Energy and Power Research(JNEPR) published by American Science Publishers, USA. He has co-authored the book “Electronic ,Electrical and Magnetic Properties of Solids, published by Springer in 2014.



	<b>Name</b>	: Dr. Sundararajan G.
	<b>Bor</b>	: 12-12-1953
	<b>FTAS</b>	: TAS/1999
	<b>Address</b>	: Director, (ARCI), Balapur PO, Hyderabad-50005 & Professor, Dept. of Metallurgical & Materials Engineering Indian Institute of Technology Madras, Chennai-600036
	<b>Mobile</b>	: 9490117167
	<b>E-mail</b>	: director@arci.res.in; <a href="mailto:gsundar@arci.res.in">gsundar@arci.res.in</a> ,


Dr. Sundararajan, obtained his B.Tech (Metallurgy) from IIT, Madras in 1976 and M.S and Ph.D from Ohio State University, Columbus, Ohio, U.S.A in 1979 and 1981 respectively. He returned to India in September 1982 and joined Defence Metallurgical Research Laboratory (DMRL) as a scientist. He was at DMRL till 1997 and then was appointed as Director of International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) in September 1997. From February 2013, Dr. Sundararajan also holds joint appointment as Professor at Dept. of Metallurgical & Materials Engg., Indian Institute of Technology, Chennai.

**Academic and Research Achievements:** During the course of his research career at DMRL and ARCI, Dr. Sundararajan has made outstanding contributions to the areas of tribological behaviour (erosion, sliding wear, abrasion) of metallic materials, composites and coatings, high temperature deformation and fracture behaviour of superalloys and other materials, laser surface modification (surface alloying cladding, transformation hardening) and laser materials processing (cutting, drilling & welding) of engineering materials and towards the development of novel coating technologies like detonation spray coating, electro spark coating, micro arc oxidation coating, cold spray coating and EB-PVD coating technology.

**Other Contributions:** He is responsible for establishing Center for Laser Processing of Materials (now a part of ARCI), Centre for Engineered Coatings, Centre for Sol-Gel Nanocomposite Coatings, Centre for Solar Energy Materials at ARCI, Hyderabad and also Center for Fuel Cell Technology and Centre for Automotive Energy Materials at ARCI, Chennai. At ARCI, as its Director, Dr. Sundararajan had made notable contributions to the development, demonstration and commercialization of materials-based technologies. Over the last 10 years, over 25 technologies have been transferred to 35 private industries located all over India.

**Awards and Honours:** For his outstanding research and technology development contributions over the years, Dr. Sundararajan has received numerous awards. He has been conferred with Padma Shri (civilian award) by the Govt. of India in 2014. He is a recipient of Shri Om Prakash Bhasin Award, Shanti Swarup Bhatnagar prize for Engineering Science, Best Metallurgist award, FICCI award for Materials Science, National Metallurgist Award etc. Dr. Sundararajan is also a Fellow of the Indian Academy of Sciences, Indian National Science Academy, Indian National Academy of Engineering, National Academy of Science, Indian Institute of Metals, The American Society for Materials and The American Ceramic Society. Dr. Sundararajan is also a recipient of the J.C Bose Fellowship (2006-Present). He has published more than 250 papers in peer-reviewed international journals, conference proceedings and in books. He has guided the Ph.D work of many of his colleagues at DMRL and ARCI. He is currently the Vice President of the Indian Academy of Sciences.



	<p><b>Name:</b> Prof. Suprasanna P.</p> <p><b>Born:</b> 08-06-1960</p> <p><b>FTSA:</b> TSA/ 2015</p> <p><b>Address:</b> Head, Nuclear Agriculture &amp; Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085</p> <p><b>Mobile:</b> 9757169332 (R) Off: 02225595423, Res: 02225575446</p> <p><b>Email:</b> <a href="mailto:penna888@yahoo.com">penna888@yahoo.com</a>,</p>
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B.Sc (Hons) (1979) and M. Sc, Genetics (1981) from Osmania University, Hyderabad. Ph. D (1986) in Plant Genetics. Working at the Bhabha Atomic Research Centre, Mumbai as Scientific Officer (1991) and Head of the Nuclear Agriculture & Biotechnology Division (2019). Faculty Professor in Life Sciences of the Homi Bhabha National Institute, Mumbai.

**Academic and Research Achievements:** Dr. Penna Suprasanna's research is in the areas of plant stress biology, radiation mutagenesis and plant biotechnology. He has several years of research experience in the field of plant biotechnology and his contributions led to development of plant tissue culture methods, technology transfer and isolation of agronomically useful mutants in crop plants. He has developed protocols for somatic embryogenesis and embryogenic cell cultures, and has a patent on direct somatic embryogenesis in sugarcane. His research on radiation-induced mutagenesis in sugarcane yielded superior mutants for juice, sugar, and yield and stress tolerance. Dr. Suprasanna has also contributed extensively to molecular understanding of abiotic stress tolerance, and developed bioregulators for alleviating stress and increasing crop productivity, and salt-stress adaptive mechanism in halophytic plants. He has also contributed greatly to the understanding of how plants respond to and develop their adaptive / tolerance machinery to abiotic stress. He has published over 250 research articles in national and International journals and books, and has edited books published Springer.

**Other Contributions:** Dr. Suprasanna has been actively involved in teaching and coordinating the plant biotechnology research.

He is the Editor/Associate Editor of journals (PLOSOne, Frontiers Plant Science, Physiology & Molecular Biology Plants, SugarTech. He is associated as a member on academic and selection committees in BARC and HBNI. He has served as National Coordinator FAO/IAEA Program on Plant Mutation Breeding, and is a collaborator of research projects funded by BRNS, DAE. Member, Basic Sciences Committee, BRNS, DAE (2015-), Radiation Technology Application Committee (till 2013) and Food Security Committee (2019-). Dr Suprasanna is the Chairman, Institutional Biosafety Committee (IBSC) at BARC, and DBT-Nominee / Expert on other Institutional Biosafety Committees.

**Awards and Honours:** Dr. Suprasanna was elected Fellow of TSA (2015), Maharashtra Academy of Sciences (2008) and APAS (2014) . He is also the recipient of the DAE- Scientific & Technical Excellence Award – 2010, Fellow, Association of Biotechnology & Pharmacy - 2015 and Prof. H.S. Srivastava Memorial Award – 2014, 2015. He has served as an Expert on IAEA missions during 2017, 2018 and 2019.


	<b>Name</b>	:	<b>Prof. Suresh Babu D.</b>
	Born	:	24-10-1956
	FTAS	:	TAS/2006
	<b>Address</b>	:	Department of Physics, University College of Science, Osmania University, Hyderabad – 500 007,
	<b>Mobile</b>	:	<b>9866115821</b>
	<b>E-mail</b>	:	<a href="mailto:sdevarasetty1956@gmail.com">sdevarasetty1956@gmail.com</a> ; <a href="mailto:s_devarasetty1956@yahoo.co.uk">s_devarasetty1956@yahoo.co.uk</a> ;

M.Sc Physics with Electronics as special subject, M.Phil in Physics with Solid State Physics as special subject and Ph.D Osmania University, Hyderabad. He joined osmania University Associate Professor of Physics in 1980. Became a research supervisor in 1990. He is elevated to Professor in 2001. He worked as Head, Department of Physics, Nizam College; Vice-Principal, Nizam College; Chairman, BOS in Electronics, OU and presently he is Chairman, BOS in Physics, OU. He was postdoctoral fellow at Institutdes Materiaux de Nantes, Nantes, FRANCE. He visited France, Germany, USA and Spain to carryout research and attend International Conferences.

**Academic and Research Achievements:** Suresh Babu established and developed Digital & Microprocessor laboratories for Under Graduate and Post Graduate students. Designed and developed experimental boards for number of experiments in Electronics for Under Graduate students. Developed Electronic Communication laboratory for Postgraduate students. Guided M.Sc (Tech) Applied Electronics and M.Sc (Physics) students for their projects. Guided research projects for U.G. students under UGC development program. He has written and Edited Books in Electronics for UG and PG students. He has carried out research in Structural Phase Transition (SPT) using Electron Paramagnetic Resonance (EPR), Magnetic and transport properties of doped Perovskite systems (High Tc Superconductivity, Colossal Magneto Resistance, Colossal Dielectric Constant etc.,). Presently he is working in Graphene Ceramic Composite, Chalcogenite glasses and Multiferroics). Till now he has published around 50 research publications in National and International publications and Presented more than 20 papers in International conference. Six candidates have taken Ph.D. degree in his guidance. Completed 4 research projects and presently he has one ongoing research project.

**Other Contributions:** Suresh Babu is life member of number of professional bodies like Instrument Society of India, Materials Research Society of India, Magnetic Research Society of India, Association of Indian Science Congress. He worked as Secretary (for 6 years) and Vice Chairman (for 2 years) for Instrument Society of India, Hyderabad Chapter. He has organized workshops in Electronics for teachers and students. He also organized national seminars on instrumentation


**Awards and Honors:** Suresh Babu is recipient of Young Scientist Award from Andhra Pradesh Academy of Sciences, India (1991). He has also received French Government Fellowship (1991-92)

	<b>Name:</b> Dr. Suresh Kuma R. <b>Born:</b> 25-07-1976 <b>Elected:</b> TAS/2018 <b>Address:</b> Department of Biotechnology, IIT Madras, Chennai <b>E-mail:</b> <a href="mailto:rayala@iitm.ac.in">rayala@iitm.ac.in</a> , <b>Mobile:</b> 91-9840885870
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Ph. D in Biochemistry in 2002 from Adyar Cancer Institute, Chennai and had subsequent postdoctoral training from MD Anderson Cancer Center, Houston USA. Currently, working as Professor in the Department of Biotechnology, IIT Madras, Chennai.

**Academic and Research Achievements:** Dr.Rayala's group utilizes a combination of Molecular, Cellular, and Genetic tools to study Cellular and Animal models of Cancer. His research work embarked on an important problem in Cancer research - understanding the pathogenesis of cancer. He has published more than 75 publications in peer-reviewed International journals. Guided 10 Ph. D. students

**Awards and Honors:** Recipient of Young Scientist Award for the year 2015 from the Chennai Academy of Sciences, Institute Research and Development Award (IRDA) of IIT Madras under Junior level category in 2016, Dr. Prem Nath Wahi Award for the year 2017 from ICMR. and also a recipient of National Bioscience Award of DBT in the year 2018.


	<b>Name:</b> Dr. Suresh Y. <b>Born:</b> 05-10- 1972 <b>FTSA:</b> TSA/2016 <b>Address:</b> Associate Professor, University of Hyderabad <b>E-mail:</b> <a href="mailto:sureshsl@uohyd.ernet.in">sureshsl@uohyd.ernet.in</a> , <a href="mailto:ysnaidu@yahoo.com">ysnaidu@yahoo.com</a> <b>Mobile:</b> 9912851355
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MSc-Biochemistry (SVU), PhD-Biochemistry (OU): doctoral work on the beneficial actions of polyunsaturated acids in *diabetes mellitus*. Postdoctoral training at the Indian Institute of Science, Bangalore and the University of North Carolina, USA on endocrine and molecular basis of male contraception. Joined Pondicherry University as Assistant Professor in 2005 and moved to University of Hyderabad in 2007. Visiting Scientist at the University of North Carolina, USA (2009) and Suleyman Demirel University, Turkey (2013).

**Academic and Research Achievements:** He teaches biochemistry, endocrinology, physiology reproductive biology and transgenic technology to undergraduate and postgraduate students. His main area of research is reproductive endocrinology, with specific emphasis on male reproductive tract immunology and contraception. We identified and functionally characterized a wide variety of proteins belonging to the defensin, lysozyme-like, pate and testis expressed families and found them to be important in conferring innate immune responses and sperm function. Because of their dual role in immunity and sperm maturation, these proteins are exploited to treat sexually transmitted diseases in place of conventional antibiotics, against which a variety of pathogens have developed resistance and also to use them as potential male contraceptives. Further, his group demonstrated the damaging effects of pyrethroids (the common pesticide residues present in commonly consumed food products) on the reproductive performance using animal models.

**Other Contributions:** Published over 45 research papers in peer-reviewed journals and guided 4 PhD students. Academic Editor of the journal PLoS ONE. Actively involved in various scientific programs for inculcating scientific temper and inspiring school and college students to take up scientific research as their career.

**Awards and Honors:** Gold Medal Oration -2017, Society for Reproductive Biology and Comparative Endocrinology; Editorial board member, Research and Reports of Medicine Journal, IGRPS; Bharat Vikas Award 2017; Chancellor's Award 2016, University of Hyderabad; Prof. G. P. Talwar Middle Career Scientist Award 2016; ICMR-Swaran Kanta Dingley Oration Award 2011; Fellow of Reproductive Endocrinology 2015 of the Society for Reproductive Biology and Endocrinology; Indian National Academy of Sciences and Turkish Academy of Sciences Exchange Scientist 2013; ICMR-Tilak Venkobarao Award 2008; Member of Reproductive Endocrinology 2011 of Society for Reproductive Biology and Endocrinology; Academic Editor, PLoS ONE; DBT-Overseas Associate, 2009; SERB-Young Scientist, 2006; Fogarty International Trainee, June 2001 – May 2004; DBT-Research associate, November 1999 to October 2001.


	<p> <b>Name:</b> Prof. Surya Prakash Rao H.  <b>Born:</b> 20-06-1953  <b>FTAS:</b> TAS/2015  <b>Address:</b> Department of Chemistry, Pondicherry University,  Puducherry – 605 014  <b>Mobile:</b> 9443264222  <b>E-Mail:</b> <a href="mailto:hspr.che@pondiuni.edu.in">hspr.che@pondiuni.edu.in</a>. <a href="mailto:hspr@yahoo.com">hspr@yahoo.com</a> </p>
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B.Sc. (special, 1973) and M.Sc. (Organic Chemistry, 1975) in Osmania University, Hyderabad. He joined Indian Institute of Science, Bangalore for Ph.D. in 1975 and obtained his degree in 1980 by working in the area of stereochemistry of organic compounds and working with Professor S. N. Balasubrahmanyam. He had postdoctoral training in the USA and India (Rice University, Houston, Texas with Professor R. J. Parry, University of Minnesota, Minneapolis, Minnesota with Professor E. Leete and Hyderabad University with Professor Goverdhan Mehta) during 1980-1985. He was a visiting scientist in the University of Nijmegen, Nijmegen, The Netherlands during 1999-2000 and 2000-2002 with Professor Hans Schereen. He visited Taiwan in 2007 and USA in 2011, 2014 to give invited talks. He was a Lecturer (North Eastern Hill University, 1985-88), Reader (Pondicherry University, 1988-) before becoming Professor (1997-present). **Dr. H. Surya Prakash Rao**, is a Professor in the Department of Chemistry, Pondicherry University. In addition, he is Center Head of Center for Bioinformatics, Pondicherry University.

**Academic and Research Achievements:** His current research interests include synthesis stereochemistry and medicinal chemistry of heterocyclic compounds; the Blaise reaction, the Voight Reaction, development of reagents, reaction conditions and green chemical methods etc. He has published over 140 papers in leading organic chemistry journals. He teaches organic chemistry to the post-graduate and integrated undergraduate-postgraduate students. He has been an associate editor of prestigious *Journal of Chemical Science* and is in the editorial board of *Indian Journal of Heterocyclic Chemistry*, *ISRN Journal of Organic Chemistry*, *Proceedings of Indian National Science Academy* and *ARCHIVOC*. Under his guidance 19 research scholars obtained their Ph.D. and 26 scholars their M.Phil. degrees.

**Other Contributions:** His extension activities include development of higher education in India as a member of peer teams of National Assessment and Accreditation. He was the President of Pondicherry Science Forum, council member of National Organic Symposium Trust and Chemical Research Society of India. He is a member of Indian Chemical Society, Indian Science Congress, National Magnetic Resonance Society and Indian Council of Chemists. He has been an Expert in Organic Chemistry for IGNOU.

**Awards and Honors:** Recipient of Chemical Society of India Bronze medal (2008), National Merit Citation National Merit Citation, 1969; National Associate Award, UGC, India, (1985-88). Received S.I. Perumal Endowment Award, (1997), NSR Center Award, University of Nijmegen, The Netherlands (1999, 2000 & 2002), "Dharamsi Morarji Chemical Co. Visiting Fellowship in Chemistry" for the year 2015-16 and Madras University Alumni Award for 2016.

	<b>Name</b>	:	<b>Prof. Surya Prakashrao K.</b>
	<b>Born</b>	:	20-08- 1939
	<b>FTAS</b>	:	TAS/2010
	<b>Address</b>	:	B-4 (1-2-98), “Manjusha”, Kakatiyanagar, Habsiguda, Hyderabad-500 007
	<b>Mobile</b>	:	<b>9848880980; Off: 29804411</b>
	<b>E-mail</b>	:	<a href="mailto:ksprao1939@yahoo.co.in">ksprao1939@yahoo.co.in</a> ; <a href="mailto:isag1993@yahoo.co.in">isag1993@yahoo.co.in</a>

M.Sc., Ph.D., in Geology (O.U.), P.G. Dip. in Applied Geochemistry (delft, The Netherlands), retired after a distinguished service as Professor of Applied Geochemistry, Osmania University, Hyderabad - 500 007, Telangana, India, after **40 years of research, teaching, and training experience**. He has specialized in mineral exploration from International Institute for Geo-information Science and Earth Observation (ITC); Delft Technological University, The Netherlands. He obtained P.G. Dip. from ITC (delft) during 1974-76 in Applied Geochemistry.

#### **Academic and Research Achievements:**

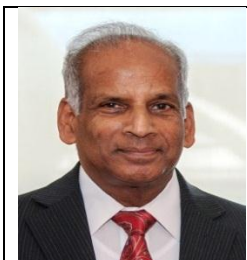
He has successfully completed several research projects under the collaboration, and also with the financial assistance of Council of Scientific and Industrial Research (CSIR), Department of Atomic Energy (DAE), Department of Science and Technology (DST), University Grants Commission (UGC), National Thermal Power Corporation Limited (NTPC), Panchayatraj, Government of Andhra Pradesh etc.

#### **Other Contributions:**

He has established the **Indian Society of Applied Geochemists (ISAG)** in 1993, and registered the society in 1997. He started **Journal of Applied Geochemistry (JAG)** in 1999 and is the **founder Secretary of the society and the Founder Editor of the journal** and is continuing in the same position as on today. Heads of the National Earth Science Organizations AMD, GSI, MEC, NGRI, NMDC, Government of Andhra Pradesh and some universities whole heartedly supported his efforts and academic activities till today.

#### **Awards and Honours:**

He was the founder of Centre of Applied Geochemistry (1978) and Department of Applied Geochemistry (1991) under the “Collaboration Program in Applied Geochemistry (R&T) between Osmania University, Geological Survey of India, University of Utrecht, Netherlands (1978 - 1996)” with 100% aid. Prof. R.D. Schuiling, Univ. of Utrecht was the Principal Scientific Advisor (PSA) for the collaboration.

	<b>Name:</b> Prof. Suryanarayana Ch. <b>Born:</b> 20-03-1945 <b>FTAS:</b> TAS/2015 <b>Address:</b> Department of Mechanical and Aerospace Engineering, University of Central Florida, Orlando, FL. 32816-2450, U.S.A. <b>E-mail:</b> <a href="mailto:Surya@ucf.edu">Surya@ucf.edu</a> ; <a href="mailto:surya_orlando@hotmail.com">surya_orlando@hotmail.com</a> <b>Mobile:</b> +1-407-451-3912
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B.Sc. (Andhra University), B.E. (Metallurgy) (IISC, Bangalore), M.Sc. (BHU), Ph.D. (BHU): Post-doctoral work on Electron Microscopy at the University of Oxford in UK and Atomic Energy Establishment in Mol, Belgium. Joined Banaras Hindu University as a Lecturer and promoted to Professor. Moved to the U.S.A. and worked at the Wright-Patterson Air Force Base, University of Idaho in Moscow, ID, Colorado School of Mines in Golden, CO, and now at the University of Central Florida in Orlando, FL, USA. Visiting Scientist at Tohoku University in Sendai, Japan; National Institute of Materials Science, Tsukuba, Japan; GKSS Research Center in Geesthacht, Germany; Helmut-Schmidt University in Hamburg, Germany; Chungnam National University in Taejon, South Korea; Northeastern University in Shenyang, China; and Chinese Academy of Sciences in Shenyang, China. Spent one year as Science Advisor at the U.S. Department of State in Washington, D.C.

**Academic and Research Achievements:** His research is focused on structure-property correlations in advanced metallic alloys. He is first to identify metastable phases in rapidly solidified alloys by optical microscopy methods. He has also made significant contributions to understanding the glass-forming ability of metallic alloys, crystallization behavior of metallic glasses, and correlation between crystallization and superconducting behavior of metallic glasses. He has reported formation of a five-fold diffraction pattern in rapidly solidified Al-Pd alloys in 1978. His notable contributions to the field of quasicrystals include observation of a decagonal phase in Al-Co alloys, dislocation-like loops by electron microscopy methods, phenomenon of polytypism, relationship between lattice parameters of quasicrystals and their corresponding crystalline phases, and their transformation behavior to crystalline phases through a Kirkendall-type mechanism. Another major area of his research is powder processing of materials is another area of research.

**Other Contributions:** Authored 10 books, edited 12 conference proceedings, and published over 360 research papers in peer-reviewed journals and guided several graduate students. Associate Editor/Editorial Board Member of a number of archival journals. Actively involved in organizing a number of international conferences.

**Awards and Honors:** Fellow of Electron Microscope Society of India (2015), ASM International (1995), and the Institute of Materials, Minerals and Mining, London, UK (1994). TMS Educator Award (2016), Lifetime Achievement Award by Electron Microscopy Society of India (2015), Lifetime Achievement Award by Central Florida Engineers (2015), ASM-IIM Lectureship Award (2015, 2007, 1992), Certificate of Appreciation by the U.S. Department of State (2013), Jefferson Science Fellow (2012), Lee Hsun Research Award by the Chinese Academy of Sciences (2008), Distinguished Alumnus Award of Banaras Hindu University (1998), National Metallurgists Day Award (1983), for Young Scientists of INSA medal (1974), Royal Society Commonwealth Bursary (1973), Pandya Silver Medal of the Indian Institute of Metals (1972), and Gold Medal of BHU, (1967).




	<b>Name:</b> Dr. Suryanarayana Murty U. <b>Born:</b> 20-10-1957 <b>Elected:</b> TAS/2011 <b>Address:</b> Chief Scientist & Head, Biology Division, Indian Institute of Chemical Technology (IICT), Hyderabad-500607 <b>Mobile:</b> 9440802794; <b>E-mail:</b> <a href="mailto:murty_usn@yahoo.com">murty_usn@yahoo.com</a> ;
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**Academic and Research Achievements :**Dr. Murty's primary research interests are in computational biology, disease modelling, spatial mapping & modelling, impact of climate change on mosquitoes and mosquito borne diseases and biological control of mosquito. Apart this he also working on sericulture for self-employment in non-traditional areas and rural development through SAMADHAN KENDRA (A rural IT portal).

**Other Contributions:** Dr. USN Murty is presently working as Chief Scientist and Heading Biology Division at CSIR-Indian Institute of Chemical Technology Ministry of Science and Technology Govt. of India, Hyderabad. He is the member of many professional bodies and fellow of Royal Entomological society (London), APAS, NABS, ABAP etc. Dr. Murty, has developed several IT based technologies for improving public health mainly on vector borne diseases. Some of his technologies have been transferred to state and central health departments for its implementation at field level to reduce the mortality and morbidity caused by vector borne disease. Acted as chairman for several committees and solved very critical issues in inter/intra organisations. I had strong linkages with academic institutes, Universities and delivering talks as a passion in my research carrier. I have been published 140 research papers in peer-reviewed journals edited twobooks and filed 18 patents/copyrights in my credit. 10 scholars did PhD under my supervision and presently 08 research scholars are working for doctoral degree. Presently he is working as a chief scientist, head Biology Division and In-charge Director CSIR IICT, Dean Academic Affairs NIPER Hyderabad.

**Awards and Honours:** World Health Organization and Tropical Disease Research, Geneva fellowship (1992), Outstanding performance by Director, IICT for SAMADHAN KENDRA, German Research Foundation Fellowship by University of Heidelberg Germany, U.S. Defense award on "Window-on-science support" 2006, 'GOLD MEDAL' from Association of Biotechnology and Pharmacy at Thapar University, Patiala, November 2010, Visiting Professor, University of Hyderabad & York University. Received "IICT technology award" for societal benefit-2010-11, *Gold Medal and Citation* from Zoological Society of India (ZSI) 2012, Best Project performance by Government of Mizoram (2002), Arunachal Pradesh (2006). "eNorth East award-2011 as a special mention in the category of "Health Services Delivery ", Indian Council of Medical Research Award (ICMR) award in Biomedical Research 2013 conducted in under developed areas of India.


	<b>Name:</b>	<b>Dr. Susanta Mahapatra</b>
	<b>Born:</b>	15-01-1968
	<b>FTSA:</b>	TSA-2013
	<b>Address:</b>	Professor, School of Chemistry, University of Hyderabad
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	<b>Mobile:</b>	9440303184

M. Sc. from Banaras Hindu University, Varanasi (1991). After completion of Ph. D. work under the supervision of Professor N. Sathyamurthy at Indian Institute of Technology, Kanpur (1996), he moved to University of Potsdam, Germany (Prof. Lutz Zuelicke 1996) and subsequently to University of Heidelberg, Germany (Prof. Horst Köppel and Prof. L. S. Cederbaum 1997-2000) as a post-doctoral fellow. He returned to India in the year 2000 and joined as a Lecturer in University of Hyderabad. Since 2006 Professor in the University.

**Academic and Research Achievements:** The research interest of Mahapatra in theoretical chemistry encompasses wide variety molecular processes ranging from molecular spectroscopy to chemical reaction dynamics. The work involves first principles study of quantum chemistry and dynamics. Theoretical methods and algorithms are developed in his group focusing primarily on molecular processes in which electronic excited states are important. In the latter situation the conventional approximations of quantum mechanics break down and the novel feature of Mahapatra's work is to develop theory beyond such approximations. The impact of Mahapatra's work is fundamental, attempting to understand basic molecular processes being investigated in modern experiments in spectroscopy and chemical reaction dynamics. His work is well received by the community and the methods and algorithms developed by him are being used by other practitioners in this area of chemical physics and physical chemistry.

**Other Contributions:** Published over 125 research papers in peer-reviewed journals and guided 15 PhD students.

**Awards and Honors:** Recipient of Alexander von Humboldt fellowship (1997), INSA medal for young scientist (2000), Friedrich Wilhelm Bessel Prize of AvH foundation (2001), Anil Kumar Bose memorial award of INSA (2004), Swarnajayanti fellowship of DST (2006) and Distinguish lectureship award of the Chemical Society of Japan (2008). He is a fellow of the Indian Academy of Sciences, Bangalore (2013), National Academy of Sciences, India (2016).


	<p>Name: <b>Dr. Suseelendra Desai</b>  Born: 01-06-1959  FTAS: TAS/2015  Address: Principal Scientist, ICAR, CRIDA, Santoshnagar,  Hyderabad-59  Mobile: 9440604496  Email: <a href="mailto:desai1959@yahoo.com">desai1959@yahoo.com</a></p>
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Dr. Suseelendra Desai is a Principal Scientist (Plant Pathology) at Institute for Dryland Agriculture, Hyderabad. He did schooling at Adoni till 1976. and B.Sc. (Ag), (1978), M.Sc. (1980) and Ph.D. (1987) all from A.P. Agricultural University. DAAD post-doctoral fellow in Germany(1991-1994), 2004,2011and 2014. Later he joined Acharya NG Ranga Agricultural University, Rajendranagar, Hyderabad.

**Academic and Research Achievements:** He joined ICAR as Scientist at the National Research Centre for Groundnut, Junagadh, Gujarat in 1987 and worked for 17 years. During this period, as Groundnut Pathologist, he has made significant contributions by developing integrated foliar disease management and integrated aflatoxin contamination management packages in groundnut. in 2004. His significant research contributions include identification, and formulation of potential strains of *Trichoderma* sp. which are now popular among groundnut farmers of Saurashtra region for management of stem rot of groundnut as well as aflatoxin contamination management. He has characterized microbial diversity from different agroecological regions of India for their beneficial traits. He has identified multi-nutrient tasking strains of *Azospirillum* and *Azotobacter*, which can mobilize N, P, and Zn which are essentially required for the crop plants. He has instrumental in establishing “Integrated Bioresources centre” at ICAR-CRIDA with the funding from AP-NL programme, which not only supplies quality bioinputs to farmers at an affordable price so that the input costs are reduced and their by farm profitability is enhanced. He has obtained funding for projects from national and international funding agencies and executed the projects successfully. He has published more than 180 research papers, technical bulletins, book chapters, popular articles, and edited books. He has delivered several radio talks and appeared in TV programs on crop health management. He is an invited speaker at more than 30 national and international seminars and symposia. HE has guided so far 4 doctoral students and 3 Masters students.

**Other Contributions:** He is a Member of Scientific Panel of Food Safety Standards Authority of India (FSSAI), Government of India on “Microbial Hazards in Foods (2008-2016) and since 2016, member of the panel “Contaminants in Food Chain”.

**Awards and Honors:** Recipient of University Gold Medal during Masters programme, Dr. Narasimhan Academic Merit Award by Indian Phytopathological Society. Ramakrishan Memorial award and Kachapur award. He is a Fellow of Phytopathological Society of India and Plant Protection Association of India. He served as Zonal President for the Central Zone of IPS. He has organized national and international seminars, training programs and chaired/co-chaired sessions in national and international seminars.


	<b>Name</b> : Prof. Swaminathan D. <b>Born</b> : 01-02-1938 <b>FTAS</b> : TAS-2002 <b>Address</b> : Jawaharlal Nehru Institute of Advanced Medical Research(JNIAM), 6 <sup>th</sup> Floor, Budh bhavan, Secunderabad-3, <b>Mobile</b> : 9849150190; 040-23304946 <b>E-Mail</b> : <a href="mailto:dsdsrf@gmail.com">dsdsrf@gmail.com</a> , <a href="mailto:swami@ap.nic.in">swami@ap.nic.in</a>
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B.E. Civil Engineering (AU) Ph. D. Structural engineering from Liverpool University, U.K. He researched on “Articulated Cellular Bridge Decks” and produced a new method of analysis known as ‘Finite element - grillage method’ He established Dr. D. Swaminadhan Research Foundation for empowerment of Women.

**Academic and Research Achievements:** Addl.Secretary, University Grants Commission (UGC); Vice-Chancellor, Jawaharlal Nehru Technological University (JNTU); Member, Planning Commission, Government of India. Dr. Swaminadhan took keen interest in the most crucial areas of Value Orientation of Education. Dr. Swaminadhan took the lead in the areas of Value Education.

**Other Contributions:** Dr. Swaminadhan’s contributions to University-Industry Interaction and University-Industry - R & D Laboratories - Professional Bodies and Academies interaction have been well recognized. He was the Chairman of the Standing Committee on University – Industry – R & D Labs – Professional Bodies and Scientific Academies interaction, constituted by the Planning Commission. Dr. Swaminadhan is the founder Chairman of “Dr. D. Swaminadhan Research Foundation”, a public charitable trust and a registered society with the main objective of contributing towards the advancement of human development based on eco-friendly, pro-poor and gender equity approaches.

**Awards and Honors:** Fellow of Institution of Engineers (FIE), Fellow, Indian National Academy of Engineering (FNAE); Fellow, Andhra Pradesh Academy of Sciences (FAPAS); Chartered Engineer (C.Eng); Member, Indian Society for Technical Education (MISTE); Member, Indian Science Congress Association (MISCA) and Member, Indian Institute of Public Administration (IIPA), New Delhi. National Unity Award-‘93’, i Honoured as an ‘Eminent Scientist of India’ by the (APAS. 1993) ‘Vijaya Rattna Award’ presented by the International Friendship Society of India, New Delhi (1994); Rajiv Gandhi Excellence Award - 1993 presented by the Shiromani Institute, New Delhi August, (1994); Manav Sewa Puraskar presented by the Institute of Economic Studies, New Delhi June, (1995). Awarded D.Sc., (Honoris Causa) by the Dr. B.R. Ambedkar Open University, Hyderabad. Awarded PhD (Honoris Causa) by Jawaharlal Nehru Technological University (JNTU), Hyderabad Honoured and presented an Institution of Engineers’ plaque (1995).


	<b>Name:</b> Prof. Swamy M. J. <b>Born:</b> 11-08-1959 <b>FTSA:</b> TAS/2005 <b>Address:</b> School of Chemistry, Univ. of Hyderabad, Hyderabad-500 046 <b>E-mail:</b> <a href="mailto:mjswamy@uohyd.ac.in">mjswamy@uohyd.ac.in</a> , <a href="mailto:mjswamy1@gmail.com">mjswamy1@gmail.com</a> <b>Mobile:</b> 9866007530
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MSc-Chemistry (Univ. Hyderabad, 1981), PhD-Biophysical chemistry (IISc, Bangalore, 1987): Doctoral work on the protein chemistry and physical chemistry of sugar binding to plant lectins. Post-doctoral training at Michigan State Univ. (USA, 1987-1989) on the metabolism of gangliosides in cultured cells, and at MPI for Biophysical Chemistry (Germany, 1990-1993) on lipid phase behavior and lipid-protein interaction. Joined the School of Chemistry, University of Hyderabad as Lecturer in 1993 and was promoted Reader in 1998 and Professor in 2004.

**Academic and Research Achievements:** His Research interests include phase behavior and polymorphism of lipids, biomembrane structure and function, protein chemistry and structure and protein-ligand interactions. Teaching interests include biological chemistry, spectroscopic applications and organic chemistry. Made notable contributions on lipid phase behavior, protein-membrane interaction and plant lectins. His studies on ethanolamine-based lipids such as N-acylphosphatidylethanolamines, N-acylethanolamines and O-acylethanolamines yielded new clues to understand the role of some of these amphiphiles in stress-combating responses of organisms. His laboratory has designed base-triggerable catanionic mixed lipid systems, which are potentially useful for developing novel base-labile systems for the delivery of drugs and pharmaceuticals to specific organs/organelles such as colon. His studies on the interaction of the major bovine seminal plasma protein, PDC-109 with phospholipid membranes shed new light on our understanding of cholesterol efflux from spermatozoa induced by this protein, which is a prerequisite for fertilization to occur. These studies can lead to the development of novel anti-fertility agents. Very recently Prof. Swamy's group demonstrated that PDC-109 and its equine homolog, HSP-1/2 exhibits chaperone-like activity, which is highly significant since these are the first reports of such activity by proteins of mammalian seminal plasma. His group demonstrated for the first time that different plant lectins bind porphyrins with considerable affinity and evaluated the thermodynamic forces that govern their interaction. These results are highly significant in view of the use of porphyrins in photodynamic therapy.

**Other Contributions:** Published over 150 research papers in peer-reviewed journals and guided 18 PhD students, 8 MPhil students and over 50 MSc and undergraduate projects.

**Awards and Honors:** Elected fellow of the Indian Academy of Sciences (2007), National Academy of Sciences, India (2007), Andhra Pradesh Akademi of Sciences (2005) and an elected member of the Guha Research Conference (2006). Selected as the Andhra Pradesh Scientist of the year (Chemistry) in 2010 and received the Darshan Ranganathan Memorial Lecture award by the Chemical Research Society of India in 2009.


	<b>Name</b>	: Prof. Swamy S.J.
	<b>Born</b>	: 04-04-1953
	<b>FTAS</b>	: TAS-/2004
	<b>Address</b>	: Veenavanka (Village & Mandal) Karimnagar Dist.
	<b>Address</b>	: Dept. of Chemistry, Kakatiya University, Warangal – 506 009
	<b>Mobile</b>	: 9849272970
	<b>E-mail</b>	: <a href="mailto:sj_swamy@yahoo.com">sj_swamy@yahoo.com</a> ; <a href="mailto:sjswamy1954@gmail.com">sjswamy1954@gmail.com</a> ,

B. Sc. (OU), (1974) and M. Sc. (OU), (1976) Ph. D. in the area of coordination chemistry. Dr. Swamy obtained his Ph. D. for the thesis entitled **Physicochemical Studies of Metal Complexes and their Analytical Applications** in 1979 from Kakatiya University. Dr. Swamy joined Chandakanthaiah Memorial Degree & PG College as Lecturer in Chemistry in (1977) Held the academic positions like the Member of Board of Studies in Chemistry and other universities; Member and Chairman of different committees constituted by the University and the State Councils of Higher Education of Andhra Pradesh and Telangana States and the AP Akademi of Sciences. Served the Kakatiya University as (i) Coordinating Officer, UGC Unit (April 2004 to March 2005 & November (2007) to March (2008) Registrar, December 2004 to March 2008; Dean, College Development Council, May 2009 to May 2012; and Dean, Faculty of Sciences June 2012 to April 2013.

**Academic and Research Achievements:** Dr. Swamy's research interests are in the areas of Coordination Chemistry, Catalytic Applications of Complexes, Organometallic Chemistry and Supramolecular Chemistry. His contributions to chemistry literature include the solution studies of coordination compounds; synthesis, characterization and applications of multidentate and macrocyclic ligands and their complexes with transition and rare earth metals; development of supramolecular entities. He extensively worked in a very challenging area of divalent organolanthanides and investigated the molecular structure of divalent ytterbium and samarium complexes and a noteworthy addition is molecular structure of  $[\text{Sm}(\text{C}_5\text{H}_5)_2(\text{THF})_2]$  in 1991, prior to which it was known as highly insoluble in all common solvents. His group developed novel complexes of transition and rare earth metals that catalyzed important reactions like (i) selective bromination at room temperature and light in a few seconds; (ii) conversion of allylic alcohols into allylic ethers; (iii) activation of allylic and benzylic C-H bonds. Further, his group investigated and reported interesting supramolecular entities formed by cooperative multiple H-bonds between diamide-diamine ligands and different anions.

**Other Contributions:** Dr. Swamy played an active role in University Teachers' Associations at University Level and State Level. He is involved in resolving many issues related to academic, administration and University Teachers' service related matters at University level and State level. As Registrar of Kakatiya University, he played a key role in establishing inter university collaboration between KU and Central Michigan University, Mount Pleasant, USA. As Coordinating Officer and Registrar of KU he coordinated and prepared a good number of successful projects.

**Awards and Honours:** Awarded National Hindi Scholarship for students from Non-Hindi speaking States during 1972-'74. Awarded the German Academic Exchange Service(DAAD) Fellowship by the Federal Republic of Germany and a Senior DAAD fellowship under Re-Invitation programme in September 1991. Kakatiya University Research Award Best Research Paper Award instituted by NRI Scientist, Dr. D. Samba Reddy in (2005). He is the recipient of the Best Teacher Award by Govt. of Andhra Pradesh in (2006.)

	Name : <b>Dr. Tessy Thomas</b> Born : 27-04-1963 FTAS : TAS-2014 Address : F-4, DRDO Lab Quarters Kanchanbagh PO: Hyderabad – 500 058 Mobile : 9441208877 E-mail : <a href="mailto:tessy_1963@yahoo.com">tessy_1963@yahoo.com</a> / <a href="mailto:director@asl.drdo.in">director@asl.drdo.in</a> ,
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B.Tech in Electrical Engineering from Calicut University, M.E. in Guided Missiles from Defence Institute of Advanced Technology, Pune, MBA in Operations Management from IGNOU, New Delhi, PhD.(E.E.E.) from JNTUH. Doctor of Science (Honoris Causa) in Space Science from Kalyani University, West Bengal, Mangalayatan University, Aligarh, Hindustan University, Chennai and Sri Padmavati Mahila Vishwavidyalaya University, Tirupathi.

**Academic and Research Achievements** She is a Fellow of Indian National Academy of Engineering, Telangana Academy of Sciences, Institution of Engineers, India and President, Indian National Society for Aerospace & Related Mechanisms, Hyderabad Chapter, Chairperson, Indian Society for Advancement of Materials and Process Engineering, Hyderabad Chapter Life Member of Astronautical Society of India, Aeronautical Society of India, and Society for Aerospace Quality and Reliability.

**Other Contributions:** She has designed the guidance scheme for long range missile systems which is used in all Agni missiles. In her work spanning 29 years, she has contributed in various fields such as Guidance Control, Inertial Navigation, Trajectory Simulation and Mission Design. She is the Project Director Agni IV and Project Director (Mission) for the long range Agni V System. Presently she is the Director of Advanced Systems Laboratory, DRDO.

**Awards and Honours :** DRDO Agni Award for Excellence in Self-Reliance, DRDO Scientist of the year - 2008, DRDO Performance Excellence Award-2011, India Today Women of the year-2009, Lal Bahadur Shastri National Award for Excellence in Public Administration Academics and Management-2012, Madam Marie Curie Mahila Vijnana Puraskar by National Women's Science Congress, Karnataka, CNN-IBN Indian of the year-2012, GR8 Woman Achiever's Award 2014 for Science & Technology, LIMCA Book of Records – Empowering Women Award-2014, Vanita Ratnam Puraskaram-2014 by Govt. of Kerala, Dr.Y.Nayudamma Award for the year 2014 for outstanding contributions in the field of Missile Technology, Indian Women Awards 2016 in the Category of Science & Technology from Zee Media.



	<p><b>Name:</b> Dr. Thangaraj K.</p> <p><b>Born:</b> 02-06-1963</p> <p><b>FTSA:</b> TAS/2010</p> <p><b>Address:</b> Chief Scientist, CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad-500 007</p> <p><b>Telephone:</b> 040-27160012 / 27192634</p> <p><b>Mobile:</b> 9908213822</p> <p><b>E-mail:</b> <a href="mailto:thangs@ccmb.res.in">thangs@ccmb.res.in</a> / <a href="mailto:thangsatccmb@gmail.com">thangsatccmb@gmail.com</a></p>
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MSc-Zoology (University of Madras), MPhil-Genetics (University of Madras), PhD-Genetics (University of Madras): Joined CSIR-Centre for Cellular and Molecular Biology (CCMB) as Scientist-B.


**Academic and Research Achievements:** His genetic studies, provide evidence that the enigmatic tribal populations of Andaman and Nicobar islands are the first modern humans who migrated out of Africa he demonstrated that the contemporary Indian populations descend from two divergent groups: (1) Ancestral South Indians (ASI) - not related to any group outside India. (2) Ancestral North Indians (ANI) - related to Central Asians, Middle Easterners, Caucasians and Europeans. His study provides a firm genetic basis to refute the concept of “Aryan invasion” of the subcontinent (***Nature***, 2009). Further, his study suggests that these two founder groups (ANI & ASI) have admixed between the past 2000 – 4000 years and that, during the last 2000 years, almost all populations have been practicing endogamous marriages. He demonstrated that practice of endogamy has led to high IBD (Identity-by-decent) in one-third of the Indian populations, due to strong founder events; resulting high frequency of population-specific recessive disease. He has shown that a *MyBPC3* mutation, which is responsible for sudden cardiac death (cardiomyopathy), is widely distributed (4.5%) only in India/South Asia.

**Other Contributions:** Published more than 250 research articles and guided 8 PhD students. Academic Editor, *PLoS ONE*; Associate Editor, *BMC Medical Genetics*; Associate Editor, *BMC Genetics*; Member of the Editorial Board of the journals: *Scientific Reports*, *Mitochondrion* and *Clinical Genetics*. Former President, Indian Society of Human Genetics, Founder (Secretary), Society for Mitochondrial Research and Medicine-India

#### **Awards and Honors:**

Fellow of Indian National Science Academy, New Delhi; Indian Academy of Sciences, Bangalore; National Academy of Biological Sciences, Chennai; Elected Member, Guha Research Conference; Raman Research Fellow (2006); Rashtria Rathan Award *and Gold Medal* (2006); UKIERI (UK India Education and Research Initiative) Award, (2007); Lifetime Achievement Award (2016); Prof. GK Manna Memorial Lecture Award (2009); Dr. Subhash Mukherjee Oration Award (2014); Prof. Manjeet Singh Oration Award (2017); L. D. Sanghvi Oration Award (2017); Dr. Joseph Thomas Memorial Lecture Award (2018); Prof. C. V. Pichappa Endowment Lecture Award (2018); Prof. G. Jayaraman Endowment Lecture Award (2018); Excellence in Research Award (2017); Adjunct Visiting Professor, Manipal University, Manipal and Kalasalingam University, Krishnankoil, Tamil Nadu.

	<b>Name: Dr. Thirumala Chary M.</b>
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	<p><b>Name:</b> Dr. Thirumala-Devi Kanneganti</p> <p><b>Born:</b> 18-10-1972</p> <p><b>FTAS:</b> TAS/ 2017</p> <p><b>Address:</b> Department of Immunology St. Jude Children's Research Hospital, Memphis, TN 38105</p> <p><b>Phone:</b> (901) 595-3634</p> <p><b>E-mail:</b> Thirumala-Devi.Kanneganti@stjude.org</p>
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B.Sc., Kakatiya University, 1993. M.Sc., Osmania University, 1995. Ph.D., Osmania University, 2001. Postdoctoral Fellow, University of Wisconsin, Madison, 2001-2003. Postdoctoral Fellow, The Ohio State University, 2003-2005. Postdoctoral Fellow, University of Michigan, 2005-2006. Research Investigator, University of Michigan, 2006-2007. She joined St. Jude Children's Research Hospital as an Assistant Member in 2007 and became Associate Member in 2011 and Member in 2013. Became Vice Chair of Immunology in 2016 and Rose Marie Endowed Chair in 2017.

**Academic and Research Achievements:** She is a founding member of the inflammasome field, and her lab continues to make critical contributions to this research discipline. She provided the first genetic evidence for the role of NLRP3 in inflammasome activation in response to microbial components and established its importance in infection, inflammation, and cancer. Her studies identified caspase-8, ZBP1, and TAK1 as master regulators of inflammasome activation and the cell death pathways pyroptosis, apoptosis, and necroptosis, leading her to pioneer the concept of PANoptosis and describe its implications in health and disease. Additionally, she has identified the activation mechanisms of other inflammasomes; characterized other key innate sensing pathways; and described distinct, novel roles for IL-1 $\alpha$ , IL-1 $\beta$ , and IL-33 in disease. She has authored more than 240 manuscripts, all focused on inflammasomes and innate immunity. Additionally, she has mentored several research fellows, many of whom have gone on to become independent principal investigators.

**Other Contributions:** She serves on numerous editorial boards and national and international advisory and grant review committees. She has also chaired the NIH Innate Immunity and Inflammation study section.


**Awards and Honors:** She received the 2015 Vince Kidd Mentor of the Year Award. The American Association of Immunologists recognized her contributions to the field by selecting her for the AAI-BD Biosciences Investigator Award (2015). She has also received the Eli Lilly and Company-Elanco Research Award from the American Association of Microbiology and the Society for Leukocyte Biology's Dolph O. Adams award (2017). The International Cytokine & Interferon Society chose her as one of the recipients of the 2018 Seymour & Vivian Milstein Award for Excellence in Interferon and Cytokine Research. She is listed by Thompson Reuters/Clarivates in the top 1% of immunologists in the world (2017, 2018, 2019) based on citations per paper.

	<b>Name</b> : Dr. Thyagarajan G. <b>Born</b> : 02-05-1934. <b>FTAS</b> : TAS/1982 <b>Address</b> : #A2, Whispering Height, 132 St.Mary' S Road, Alwarpet,Chennai-600018 <b>Mobile</b> : 9791014951 <b>E-mail</b> : <a href="mailto:rajangt34@gmail.com">rajangt34@gmail.com</a> ;
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M.Sc. and Ph.D. Degrees in Chemistry from Osmania University Hyderabad. Post-Doctoral Fellow University of California, Berkeley USA (1964-65). joined as Scientist, IICT Hyderabad in 1974 took charge as Director of North East Institute of Science and Technology, CSIR, Jorhat, Assam. 1974-1994. He served as Director of three National Laboratories of CSIR, viz. NEIST, Jorhat, IICT, Hyderabad and CLRI, Chennai. He was a visiting scientist at the National Institute of Health, Bethesda, USA (1969-71).

**Academic and Research Achievements:** Dr. Thyagarajan with his deep understanding in chemistry and admirable leadership qualities initiated basic and applied research in several interdisciplinary areas such as Medicinal Chemistry, Pesticides, Industrial Chemicals, Coal, Petroleum and Leather Science and Technology during his tenure as the Director of different National Laboratories of CSIR. He pioneered industrial safety and risk analysis research, training and application in India. He was adviser to various committees of the Union Government; Technical adviser to the US Law Firm handling the official Indian case of Bhopal Gas Tragedy in the US Court (1984-85), Joint Parliamentary Committee on Pesticide Residues in Soft Drinks and Fruit Juices (2004). He was the Chairman Supreme Court Monitoring Committee on Hazardous Waste Management in India (2003-2006). Dr Thyagarajan held several key posts at home and abroad, notable among them were the Science Adviser (Diplomatic Rank) to Commonwealth Secretary General and Director, Science Division, Commonwealth Secretariat London (1996-2002) and Scientific Secretary, Committee on Science and Technology in Developing Countries, International Council for Science (1996-2002). Dr Thyagrajan's other fields of competence are Science, Technology and Innovation Policy, International Scientific Cooperation and Science Diplomacy. He is currently associated with the activities of Madras Science Foundation, Chennai, Zaheer Science Foundation., New Delhi as the member of the Governing Council and Administrative Staff College of India, Hyderabad as Visiting Professor.

**Awards and Honors:** Recipient of K.G. Naik Gold Medal for Industrial Research Contributions, RUSA UDYOG SEVA First Award from Chemical Industries Association, Chennai; Fellow, Royal Society of Chemistry, London, Indian National Academy of Engineering, Hon. Fellow, Indian Institute of Chemical Engineers.


	Name : <b>Prof. Tilak K.V.B.R.</b> Born : 26-09-1941 FTAS : TAS/ Address : D-111-112, May Flower Park, Mallapur, Nacharam, HYDERABAD-500 076 Mobile : 9885023138 E-Mail : <a href="mailto:tilakkvbr@yahoo.com">tilakkvbr@yahoo.com</a>
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Prof. K.V.B.R. Tilak former Head, Division of Microbiology, Indian Agricultural Research Institute, New Delhi (2002) and Senior Scientist and Platinum Jubilee Fellow, The National Academy of Sciences, India, Department of Botany, Osmania University, Hyderabad, A.P. (2010-15).

**Academic and Research Achievements:** Prof. Tilak has distinguished background in the field of soil microbiology, biological nitrogen fixation, biofertilizers and plant-microbe interactions. He was a coordinator of Indo-US Science & Technology Initiative (Senior Scientific Panel) program during 1984-91 and visited various universities in USA in a bilateral programme on Biological Nitrogen Fixation and Biofertilizers including Mycorrhizae. Dr. Tilak held was Professor of Microbiology; National Coordinator, Indian Council of Agricultural Research (ICAR) of Biological Nitrogen Fixation Program; Project Director, National Facility for Blue-Green Algal Collections for over a period of 25 years programmes dealing with Biofertilizers and Soil (Agricultural) Microbiology at OU.

**Other Contributions:** Prof. S.R. Vyas Memorial award and life time achievement Award by the Association of Microbiologists of India. Best Teacher Award of the Indian Agricultural Research Institute (ICAR), New Delhi and Late Prof. Uma Kant Sinha Memorial award by the Indian Botanical Society. K.C. Mehta memorial Award in Plant Protection by the National Academy of Agricultural Sciences and U.P. Prof. M.V. Shantaram Memorial Lecture at Prof. Jayashankar Telangana State Agricultural University, Hyderabad, Telangana (2014). President of Association of Microbiologists of India. Fellow of German Academic Exchange Service Scholar's Programme and Alexander von Humboldt Foundation and Indo-US visiting Scientists's programmes in Microbiology. extensively, Europe, USA and Thailand besides serving as FAO expert to Nepal and Bangladesh in biofertilizer's programmes. He has published over 250 research papers in peer reviewed recognized journals of national and international importance.

**Awards and Honours:** Fellow of National Academy of Sciences, India, Fellow of National Academy of Agricultural Sciences, India, Fellow of National Academy of Biological Sciences, India, Fellow of Indian Botanical Society and Fellow of Association of Microbiologists of India. supervised 30 students for doctoral degrees in Microbiology. besides teaching at IARI, New Delhi and Osmania University, Hyderabad. Life Time Achievement Award in Life Sciences at the Global Conference in Biotechnology held at Jalgaon, Maharashtra.

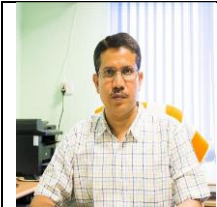
	<tr> <td><b>Name:</b></td><td><b>Dr. TIWARI V.M</b></td></tr> <tr> <td><b>Born:</b></td><td>05-11-1968</td></tr> <tr> <td><b>Elected:</b></td><td>TAS/ 2017</td></tr> <tr> <td><b>Address:</b></td><td>Director, CSIR-NGRI, Uppal Road, Hyderabad 500007</td></tr> <tr> <td><b>E-mail:</b></td><td><a href="mailto:virendra.m.tiwari@gmail.com">virendra.m.tiwari@gmail.com</a>, <a href="mailto:director@ngri.res.in">director@ngri.res.in</a>,</td></tr> <tr> <td><b>Mobile:</b></td><td>91-9440328269</td></tr>	<b>Name:</b>	<b>Dr. TIWARI V.M</b>	<b>Born:</b>	05-11-1968	<b>Elected:</b>	TAS/ 2017	<b>Address:</b>	Director, CSIR-NGRI, Uppal Road, Hyderabad 500007	<b>E-mail:</b>	<a href="mailto:virendra.m.tiwari@gmail.com">virendra.m.tiwari@gmail.com</a> , <a href="mailto:director@ngri.res.in">director@ngri.res.in</a> ,	<b>Mobile:</b>	91-9440328269
<b>Name:</b>	<b>Dr. TIWARI V.M</b>												
<b>Born:</b>	05-11-1968												
<b>Elected:</b>	TAS/ 2017												
<b>Address:</b>	Director, CSIR-NGRI, Uppal Road, Hyderabad 500007												
<b>E-mail:</b>	<a href="mailto:virendra.m.tiwari@gmail.com">virendra.m.tiwari@gmail.com</a> , <a href="mailto:director@ngri.res.in">director@ngri.res.in</a> ,												
<b>Mobile:</b>	91-9440328269												

**Education:** B.Sc. (Hons.) Physics, 1989, M.Sc.(Tech), Geophysics, 1992 & Ph.D., Geophysics, 1998

**Research Interest:** Exploration Geophysics, Gravimetry and geodynamics. Deciphering subsurface mass distribution and mass transport relevant to a wide range of scientific and societal applications such as elucidating structure and dynamics of different geological settings in Indian lithosphere, variation in water storage over Indian subcontinent and mapping of sub-basaltic sediments.

**Academic and Research Achievements:** Director, CSIR-National Geophysical Research Institute, DSIR, Gol, Hyderabad, since 2016, Director, National Centre for Earth Science Studies (MoES, Gol), Trivandrum, India 2015, Research Associate, Department of Physics, University of Colorado, USA, Post-Doctoral Fellow, IPGP, Paris and LEGOS, CNES, Toulouse, France, Visiting Scientist, GEOMAR and CU Kiel, Germany, Scientist, CSIR-National Geophysical Research Institute, Hyderabad

**Awards and Honours:** Fellow of Indian Acad.Sci. 2020. Indian Academy of Sciences, Bangalore, Fellow of Nat. Acad. Sci. Ind., FNASc.2010. National Academy of Sciences, India, National Mineral Award, 2007. Ministry of Mines; Government of India, Fellow, IGU Krishnan Gold Medal, 2008. Indian Geophysical Union, CSIR Young Scientist Award, 2003. Council of Scientific & Ind. Research, India, UP S&T Young Scientist Award, 2001. Council of Science and Technology, UP, and INSA MEDAL for Young Scientist, 2000. Indian National Science Academy.

	<b>Name:</b> Prof. Tushar Jana <b>Born:</b> 01-06-1975 <b>FTSA:</b> TSA/2012 <b>Address:</b> School of Chemistry, University of Hyderabad, Hyderabad-46 <b>Mobile:</b> 9440127016 <b>E-mail:</b> <a href="mailto:tusharjana@uohyd.ac.in">tusharjana@uohyd.ac.in</a> ; <a href="mailto:tjscuoh@gmail.com">tjscuoh@gmail.com</a>
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MSc-Chemistry (Calcutta University), PhD-Polymer Chemistry (Jadavpur University). Postdoctoral training at the University of Pittsburg, USA and the Rensselaer Polytechnic Institute, USA on polymeric colloidal crystals, hydrogels, sensors and step-growth polymerization. Joined University of Hyderabad.

**Academic and Research Achievements:** His research interests revolved around a number of themes in polymer chemistry and materials science. Mainly is focused in three areas: polymer membranes, polymeric nanoparticles and hydrogels, and polyurethanes. synthesis of complex macromolecular architectures and understanding of their structure-property relationships. His group seeks to develop unique polymeric materials for variety of applications which include fuel cell, water purification, gas separation, sensors, drug delivery, energetic polymers, coatings etc. His research group employs step-growth, emulsion, photo, radical and RAFT polymerizations techniques to synthesize the newly designed polymers. The group utilizes these synthesized polymers to develop novel polymer gels, polymeric membranes, miscible blends, hydrogels, colloids, core-shell nanostructures, nanocomposites for their potential applications in numerous areas.


**Other Contributions:** Published over 70 research papers in peer-reviewed journals, filed three patents and guided 10 PhD students.

**Awards and Honors:** Young Associateship (2005-2010) from Indian Academy of Science, Bangalore, India; INSA Young Scientist Medal (2007) from Indian National Science Academy, New Delhi, India; Alkyl Amines-ICT Foundation Day Young Scientist Award (2009) from Institute of Chemical Technology, Mumbai, India; Elected as Member of the National Academy of Science, India, Bronze Medal from Chemical Research Society of India.



	<p> <b>Name:</b>           <b>Prof. Ulaganathan K.</b>  <b>Born:</b>             17-07-1951  <b>FTAS:</b>            TAS/2015  <b>Address:</b>        Professor, Centre for Plant Molecular Biology (CPMB)                              Osmania University, Hyderabad-7.  <b>Mobile:</b>         9885121713  <b>Email:</b>            <a href="mailto:kulaganathan123@gmail.com">kulaganathan123@gmail.com</a> </p>
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Prof. Kandasamy Ulaganathan has 25 years of teaching and research experience at Centre for Plant Molecular Biology, OU, Research group has been working on genomics of Plants and Associated microorganisms concentrating on organisms like *Oryza sativa*, *Santalum album*, *Zea mays*, *Helianthus sp*, *Fusarium oxysporum ricini*, endophytic bacteria colonizing rice and bacteria from insect gut and decaying wood. High throughput genomic methods are employed for understanding nitrogen nutrition of elite indica rice cultivars, stress tolerance by *Saccharomyces cerevisiae* and interaction between rice and endophytic bacteria. Prof. Ulaganathan teaches bioinformatics, genomics and molecular biology to Post graduate students of Biotechnology and Genetics at Osmania University. Published more than 50 research papers besides reviews and book chapters. He has been associated with curriculum development in number of Universities in India and serves in important committees of National agencies like University Grant's Commission and Department of Biotechnology.


	<p><b>Name:</b> Dr. Umapathy G.</p> <p><b>Born:</b> 04-10-1966</p> <p><b>Elected:</b> TAS / 2018</p> <p><b>Address:</b> LaCONES, CSIR-CCMB, Uppal Road Hyderabad -7</p> <p><b>E-mail:</b> <a href="mailto:guma@ccmb.res.in">guma@ccmb.res.in</a>; <a href="mailto:gupathy@gmail.com">gupathy@gmail.com</a></p> <p><b>Mobile:</b> 91-9866174797</p>
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M.Sc. Wildlife Science from Bharathidasan University, Tiruchirappalli, 1990. Ph.D. from Salim Ali Centre for Ornithology and Natural History, Coimbatore (1998) on the impact of habitat fragmentation on the arboreal mammals in rain forests of Western Ghats. Post-Doctoral Fellow at Mysore University, 1999. Joined in CCMB, 2000. Presently, he is working as Principal Scientist and Project Leader at Laboratory for Conservation of Endangered Species (LaCONES), CSIR-Centre for Cellular and Molecular Biology Hyderabad. Research interests include understanding of species extinction in human dominated landscape, conservation biology and wildlife endocrinology.

**Academic and Research Achievements:** His long-term studies (since 1993) on the Impact of habitat fragmentation have immensely helped in the understanding of population extinction in the human-dominated landscape in Western Ghats. His studies on demography, population dynamics, feeding ecology, behavioral, invasion of pathogen and parasites, reproductive and genetic changes in the critically endangered lion-tailed macaques have helped in conserving of highly fragmented lion-macaque populations in the Western Ghats. He continues work on this area for long-term monitoring. His works on development reproductive technologies in wildlife conservation have lead to the development of artificial insemination techniques in deer, antelope, and birds; non-invasive semen collection procedure in vultures; non-invasive hormone monitoring technology in wildlife for fertility, pregnancy and stress assessment. He has developed five ELISA kits to assess fertility, pregnancy, and stress for wild and domestic animals using fecal steroids. Published more than 60 papers peer reviewed in journals.

**Other Contributions:** Developed non-invasive hormone technology for reproductive and stress hormone assessment for Indian wild animals. Also involved in successful breeding of Indian mouse deer.

**Awards and Honors:** Recipient of Gold Medal from Bharathidasan University, JRF/SRF from SACON, MoEFCC, Government of India. Member in *International Union for Conservation of Nature (IUCN)* – Species Survival Commission, Gland, Switzerland; IUCN - Conservation Planning Specialist Group, IUCN – Primate Specialist Group; IUCN Reintroduction Specialist Group – South Asia (RSG-SA)


	<p> <b>Name:</b> Prof. Veerabrahma Kishan  <b>Born:</b> 24-01-1960  <b>FTAS:</b> TAS/2016  <b>Address:</b> Prof. of Pharmacy, Kakatiya University, Warangal-506 009  <b>Mobile:</b> 9440973245  <b>Email:</b> <a href="mailto:vbkishan@yahoo.com">vbkishan@yahoo.com</a> </p>
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B.Pharm (K.U. 1980) M. Pharm (A.U.1983) (Ph. D) Friedrich-Alexander University, Germany (1990). German Diploma from Goethe-Institute, Freiburg, Germany (1987) Certificate in Radio Immuno Assay from Babha Atomic Research Centre, Bombay (1998).

**Academic and Research Achievements:** Research work was on cloning, nucleotide sequence and studying the gene expression of trpFB operon from *A. calcoaceticus*. Post doctoral fellow at Friedrich – Alexander University for 5months and Gottingen University in Germany. Guided the research work in the area of isolation, purification of antibiotics from soil microbes. About four antibiotics were isolated, identified and biological activities were studied. Taxol drug immunoconjugates were developed. Further guided for Ph.D in the targeted area and site specific delivery of drugs. Lipid nanoemulsions containing docetaxel, indinavir and diclofenac were developed for improved biological effects. Gastro retentive drug delivery systems were developed for drugs like norfloxacin, cefdinir, cefuroxime axetil etc. and these delivery systems improved the bioavailability. Solid lipid nanoparticles, self emulsifying drug delivery systems were also developed for drugs losartan, quetiapine fumarate, candesartan cilexetil and rosuvastatin calcium etc. for the improved pharmacokinetic and pharmacodynamic effects. Research grants were received from UGC, AICTE, DAAD (Germany) and APCOST. Currently, acting as UGC-SAP co-coordinator. Industrial consultation project was also completed, being sponsored by M/s. Daewoong Pharmaceutical Company Ltd. Research travel grants were obtained to attend international conferences in USA(3), UK(1), China(1), Spain(1) and Germany from UGC, AICTE, ICMR, DST, APCOST and M/s. Daewoong Pharmaceutical Company. Published 65 Research articles in national and international journals. Administrative Positions: Held administrative positions like Principal and Head of University College of Pharmaceutical Sciences, Chairman Board of Studies, Dean, Faculty of Pharmaceutical Sciences, K.U and contributed for corporate life as member-in-charge health centre. Attended many national and international conferences.

**Other Contributions:** Delivered invited lectures in many Quality improvement programmes for pharmacy teachers in K.U, N.U etc. Delivered lectures in international conferences and foreign universities. Acted as Co-chairman, Chairman of biotechnology session in different IPCAs (2004, 2005 and 2006). Acted as director (Two day national conference, RAPS-2018), Chairman scientific services of international conference (RAPS-2012) and convener of two day national conference in current topics in pharmaceutics in 2014.

**Awards and Honours:** For standing first in B.Pharm three Gold Medals were awarded, (a) Smt. Arekapudi Lakshmi Rajyam Memorial Medal from K.U (b) Gold Medal from Indian Pharmaceutical Association, Hyderabad.(c) Indian Drugs Manufacturers Association – GP Nair Award, Bombay. (d) APTI Pharmacy teacher National award for 2011 year. (e) Best research paper of the year by International Journal of Pharmaceutical Sciences and Nanotechnology for 2013 year. (f) Telangana state best teacher award in 2015. (g) Elected as fellow of Telangana Academy of Sciences in 2016. (h) In 2017, Dr. Manjushreepal best pharmaceutical scientist award was given by Association of pharmaceutical teachers of India.

	<b>Name:</b> Dr. Veeresham C. <b>Born:</b> 08-08-1959 <b>Elected:</b> TAS/ 2018 <b>Address:</b> University college of Pharmaceutical Sciences, Kakatiya University, Warangal TS 506009 <b>E-mail:</b> ciddiveeresham@yahoo.co.in <b>Mobile:</b> 91-9849129584
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B. Pharm Kakatiya University, Warangal 1984 and Master of Pharmacy ( Pharmaceutical Chemistry) from Birla Institute of technology, Mesra, Ranchi in 1986. Ph. D. (Pharmacognosy) from Kakatiya University Warangal in 1991. He was awarded Post doctoral fellowship and Department of Biotechnology Associate ship to carry out research on paclitaxel, an anticancer drug from cell cultures of Taxus Sp. He worked under the guidance of Prof. M L. Shuler, School of Biochemical Engineering, Cornell University, and Ithaca, NY, USA for a period of 2 years. Later, he was also awarded with UNSECO-BAC fellowship to work on Neem tree to develop novel pesticide from tissue cultures for one year in Cornell University. Presently, Professor of Pharmacy and Head of Pharmaceutical Analysis Department at University college of Pharmaceutical Sciences, Kakatiya University, Warangal TS 506009.

**Academic and Research Achievements:** He has successfully guided 22 Ph. D students and 75 master students. Prof. Ciddi made several important scientific contributions in the area of Pharmaceutical sciences and Biotechnology and authored over 150 research papers and presented 75 at various national and international conferences. He also authored one book on “Medicinal Plant Biotechnology” which is a text book for M.Pharm (Pharmacognosy) students at various universities. He also worked as Professor of Pharmacognosy at School of Pharmacy, Addis Ababa University, Addis Ababa, Ethiopia for four academic years under United Nations Development Program for 4 years. He also reviewer and editorial member of several national and international Journals.

**Other Contributions:** He successfully executed many research projects to the tune of Rs 1.4 cr, funded by DBT, DST, AICTE, UGC etc. He is a life member of several professional organizations and Zonal coordinator for GPAT 2011 & 2012 and member of PAEC of NBA New Delhi. He worked as Chairperson, Board of studies, Faculty of Pharmaceutical Sciences, Kakatiya University, Warangal (2008-10). He has visited several countries on academic assignments to USA, Ethiopia, and Malaysia etc. He also worked as Principal & Head, University College of Pharmaceutical Sciences.

**Awards and Honors:** Dr.Ciddi was conferred with IDMA best research paper award in 1992, Sirse-Murgappa award from APTI 2011 and SPER eminent teacher award 2013, Dr (Mrs) Manjusree pal memorial Best Pharmaceutical Scientist 2014 and APCOST Award by Government of Andhra Pradesh for 2011 and State award to meritorious teachers 2015 by Government of Telangana.

	<b>Name: Dr. Venkata Koteswararao R.</b>
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	<b>Name:</b> Dr. Venkata Mohan S. <b>Born:</b> 01-07-1970 <b>FTAS:</b> TAS/2011 <b>Address:</b> CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad-007 ; svmohan@iict.res.in <b>Mobile:</b> 9849306934; <b>Off:</b> 040-27191765
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Dr Mohan obtained his B.Tech (Civil Engineering), M.Tech (Environmental Engineering) and PhD from Sri Venkateswara University, Tirupati. He joined CSIR-Indian Institute of Chemical Technology (CSIR-IICT) as a Scientist. He also worked as Visiting Professor at Kyoto University, Japan (2005) and Alexander von Humboldt (AvH) Fellow at Technical University of Munich, Germany (2001-02).

**Academic and Research Achievements:** Dr. Mohan's interdisciplinary research spanning for 20 years established innovative application of engineering to the betterment of both society and environment. His main research interests are in the cross-cutting domain of Environment and Bioengineering in developing sustainable and novel waste remediation technologies for the production of clean bio-fuels from waste. He started his research by exploring the concepts of advance biological treatment methods for the remediation of complex wastewaters. He envisaged that if waste remediation could be integrated with the recovery of bioenergy, it will be able to tackle the dual problems of environmental pollution and energy crisis. Thus he set out to explore different routes to generate bioenergy and his first milestone was the generation of biohydrogen. He also started work in the area of microbial fuel cells for the generation of bioelectricity. He carved his niche in the other areas of bioenergy like production of algal biodiesel, recovery of value added bio-based products from waste (bioplastics and platform chemicals (C2-C4)) and CO<sub>2</sub> sequestration, apart from developing hybrid treatment processes in a biorefinery framework leading to bioeconomy. His work linking waste remediation with renewable biofuel generation accounted for a paradigm shift from 'wastewater treatment' to 'waste to wealth' contributing inclusively for establishing a new vista in the context of 'Waste Biorefinery'. He also carried out various industrial and consultancy projects in the area of environmental management. His research outcomes have lead to more than 310 research articles (h-index 66; citations, 13,900), 30 chapters for books and 8 patents. He has guided 21 PhDs., 2 M.Phils and more than 50 M.Tech./B.Tech./M.Sc. students and edited 3 books..

**Other Contributions:** Apart from basic and applied research, Dr Mohan also worked on resolving some of the critical societal problems related to environment and human health. He made concerted efforts to investigate the presence of endocrine disrupting chemicals in water bodies of Hyderabad and established viable treatment methods. He also carried out detailed studies in fluorosis affected area to elucidate potential route of fluoride flow from water-soil-food chain and established cost-effective holistic approach for fluoride management. He was also involved in a project to evaluate 'Carrying capacity studies in Vishakhapatnam region' to assess the threshold limit for industrial development without affecting the environmental/ecological status. He advocates the concept of eco-villages and aims at developing them, by integrating various concepts of sustainability. He is the Vice President (Elected), The Biotech Research Society of India (BRSI) (2015) and Member, Board of Studies (JNTU, Hyderabad; Sri Venkateswara University, Tirupati).

**Awards and Honours:** Dr Mohan is recipient of the most coveted 'Shanti SwarupBhatnagar (SSB) Prize' for the year 2014 in Engineering Sciences. He also received several awards and honors, which includes, 'Tata Innovation Fellow 2018' by Department of Biotechnology, VASVIK Award for the year 2018 in the category of 'Environmental Science and Technology' by Vividhlaxi Audyohik Samshodhan Vikas Kendra, Most outstanding Researcher' in the field of Environmental Science in India- 2018 by Carrer360, 'National Bioscience award-2012' by Department of Biotechnology (DBT), SERB-IGCW-2017 for 'Biohydrogen Technology' from DST-SERB, 'Environmental Engineering Design Award 2017' by the National Design and Research Forum (NDRF) of Institute of Engineers, India (2017), 'Prosper.net-Scopus Young Researcher Award in Sustainable Development -2010' under Energy Category by United Nations University and Elsevier, 'NASI-Scopus Young Scientist Award- 2010' in Earth, Oceanographic & Environmental Sciences by NASI and Elsevier, Nawab Zain Yar Jung Bahadur Memorial Prize-1994 by The Institution of Engineers (India), etc. Dr Mohan is a elected Fellow of National Academy of Engineering, Biotech Research Society of India, Telangana and Andhra Pradesh Akademy of Sciences, International Forum on Industrial Bioprocesses, Institution of Engineers, International Society for Energy, Environment and Sustainability, etc.



<b>Name:</b>	<b>Dr. Venkata Narayana, Lingampally</b>
<b>Born:</b>	08-05-1967
<b>FTAS:</b>	TAS/ 2019
<b>Address:</b>	Department of Radiation Oncology, Long Beach Memorial Medical Center, Long Beach, California, USA.
<b>E-mail:</b>	<a href="mailto:anjananu@yahoo.com">anjananu@yahoo.com</a> ,
<b>Mobile:</b>	+1-909-762-5634

Dr. Venkata Narayana Lingampally is presently working as a Senior Medical Physicist in the Department of Radiation Oncology at Long Beach Memorial Medical Center in Long Beach and a Clinical Associate Professor at University of California Irvine (UCI) in Irvine, California, USA. He worked as a Lecturer in Radiological Physics/Physicist at the M.N.J. Institute of Regional Cancer Center Hyderabad. He was born in Arvapally village, which is located in Nalgonda District of Telangana State. He was trained in Radiological Physics from Bhabha Atomic Research Center in Mumbai and received his Post M.Sc. Diploma in Radiological Physics from Mumbai University in 1993. He received his Ph.D. degree in 2004 from the Department of Physics, Osmania University for his research work on Monte Carlo applications in Medical Physics.

#### **Academic and Clinical Research contributions**

Dr. Venkata Narayana Lingampally worked as a faculty in Medical Physics in reputed teaching Cancer Institutes in India and USA. He has been involved in teaching and training M.D Radiation Oncology/Medical Physics residents and Dosimetry students in treatment of cancer patients using high energy radiation for the last 25 years. The present institute where he is working is a world-renowned cancer center for Brachytherapy procedures; Dr. Venkata Narayana is an expert in Brachytherapy planning and trains many Radiation Oncologists and Medical Physicists in USA as well as from other countries. He is actively involved in commissioning the Medical Linear accelerators, High Dose Rate Brachytherapy units, Treatment Planning systems and implementing new state of art treatment technologies for cancer treatment. He is actively involved in clinical research, a team member of Memorial care research group and participates in new treatment protocols for cancer treatment using ionizing radiation. He is an American College of Radiology (ACR) Medical Physics surveyor for accreditation cancer centers in USA. He has published 10 papers in the journal *Medical Physics*.

**Awards/Certifications:** Diplomat in American Board of Radiology in Therapeutic Physics




	<p><b>Name:</b> Prof. Rajam M.V.</p> <p><b>Born:</b> 02-02-1955</p> <p><b>FTAS:</b> TAS/2012</p> <p><b>Address:</b> Professor &amp; Head, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, New Delhi -110021.</p> <p><b>Mobile:</b> 9818108515 / 24112437</p> <p><b>E-mail:</b> <a href="mailto:rajam.mv@gmail.com">rajam.mv@gmail.com</a>.</p>
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**Academic and Research Achievements:** Transgenic and other molecular approaches like RNAi. Developed several rice, eggplant and tomato transgenics, tolerant to abiotic and biotic stresses by over-expressing various stress-related genes, notably polyamine biosynthesis genes. Developed transgenic tomatoes for delayed fruit ripening for longer shelf-life and improved fruit quality by over-expressing polyamine biosynthetic genes during fruit development. and provided some clues to basic molecular and cellular mechanisms underlying the plant development and stress responses, undertaken studies to stack genes in transgenic eggplant and tomato for enhanced tolerance to abiotic and biotic stresses. For the past several years, he has been working on the molecular dissection of polyamine biosynthesis in crop plants, and also in a model organism *reinhardtii* to decipher the roles of polyamines in various biological processes, and rigorous analysis of this important pathway has yielded insights into the molecular and cellular basis for plant developmental processes and stress tolerance, and is opening new opportunities for the improvement of crop plants. The current major research interests of Prof. Rajam's laborator is to use RNAi technology to unravel the functions of polyamine biosynthesis genes in various developmental processes, including fruit ripening, senescence and stress responses as well as to develop transgenic tomato, eggplant, cauliflower, okra and cotton plants for disease/insect/nematode resistance through plant RNAi- mediated silencing of vital genes of the target pathogens and pests. Besides, virus resistant sweet orange transgenics, male sterile transgenic tomato and marker-free transgenic tomato are being produced by using RNAi and other approaches. Further, he is also co-inventor of a patent on the effective control of viral infections in tomato by expressing artificial microRNAs. Silencing of vital gene of a fungal pathogen (*Aspergillus nidulans*) and insect pest by siRNAs for their control *in vitro*, development of disease and insect resistant crop plants by RNAi and/or amiRNA technology, slow ripening and male sterile lines of transgenic tomatoes by RNAi are some of his recent significant achievements.

**Other Contributions:** At Yale University, his work has lead to the discovery of a new method for the control of fungal- plant infections through selective inhibition of fungal polyamine biosynthesis. This novel method has been adapted by several research groups globally for the control of a variety of fungal infections, and large number of research articles have been published in this line of work. He is serving as an Associate Editor and member of the editorial board of several reputed journals, including BMC Biotechnology and OMICS Journal: Cell and Developmental Biology, and member of the Advisory or other Committees of some Universities/Institutions/others. He has guided 29 Ph.D, 8 M.Phil. students and over 23 postdoctoral fellows, and published over 130 papers (80 research articles in peer reviewed journals, 15 review articles, 22 book chapters and general articles). He is the co-editor of two volume book on "Plant Biology and Biotechnology", published by Springer in 2015. He has one Indian patent to his credit. He has vast experience in plant biotechnology and RNA interference, and handled over 24 major projects in these areas. He made several short visits to several countries, including France, Italy, China and Indonesia under the collaborative projects supported by EU and Indo-French.

**Awards and Honours:** He is the Fellow of the Indian National Science Academy; Fellow of the National Academy of Sciences, India; Fellow of the National Academy of Agricultural Sciences (New Delhi), Fellow of the Telangana State Academy of Sciences; Fellow of the Association of Biotechnology and Pharmacy (Guntur, AP); The elected member of the Plant Tissue Culture Association, India since 1995. He was awarded The Rockefeller Foundation Biotech Career Fellowship in 1998 (could not be availed), 'Shiksha Rattan Puraskar' by the India International Friendship Society, 2011, Department of Biotechnology National Associateship ,1994, Research Award by the Rotary International Club of Hyderabad ,1985 and National Scholarship for Study Abroad (Govt. of India) ,1984.


	<p><b>Name :</b> Dr. Venkata Ramana Reddy Ch.</p> <p><b>Born:</b> 14-04-1962</p> <p><b>FTAS:</b> TAS/2017</p> <p><b>Address :</b> Professor, Department of Chemistry, Jawaharlal Nehru Technological University Hyderabad ,Kukatpally,Hyderabad-500085</p> <p><b>E-mail:</b> <a href="mailto:vrr9@jntuh.ac.in">vrr9@jntuh.ac.in</a></p> <p><b>Mobile:</b> 91-9885827579</p>
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B.Sc. Kakatiya University, Warangal(1984); M.Sc. Chemistry, Osmania University, Hyderabad(1986); M.Phil. Chemistry, University of Hyderabad(1988); Ph.D. Chemistry, Osmania University(1993). Lecturer in Chemistry, A.V. College (PG Centre), Gaganmahal, Hyderabad(1989 -1996); Assistant & Associate Professor of Chemistry, CBIT, Gandipet, Hyderabad(1996-2010); Professor of Chemistry, Jawaharlal Nehru Technological University Hyderabad, Hyderabad(2010- till date) ; Director, University Industry Interaction Centre(UIIC),JNTUH(2014-till date).

**Academic and Research Achievements:** Guided 20 Ph.D Students for award of the Degree and published 145 research papers in reputed journals of Chemistry and allied subjects. Completed 3 Major Research Projects . Authored 3 text books of Engineering Chemistry. Attended 65 academic Conferences /Seminars/Symposia and presented papers, delivered lectures, chaired sessions.

**Other Contributions:** Head, Department of Chemistry, JNTUH(2012-14); Chairman, Board of Studies for Chemistry, JNTUH(2014-18);University Placement officer, JNTUH(2014-till date); Member ,CFE,TS Pollution Control Board ,ZO,RCP (2019-till date); Council member, Indian Chemical Society, (Kolkata) (2008-16 &2020-22); Member, Board of Associate Editors of Journal of the Indian Chemical Society, (2003 -2006 & 2014-2016) ; Organized Seminars, Workshops, Refresher courses ,Job Fairs etc for Students and Faculty; Governing Body Member and Academic Council Member of various (UGC)Autonomous Science, Engineering & Pharmacy Colleges (2010-till date).

**Awards and Honours:** Teaching Excellence award” by the Indus Foundation Inc.( 2015); Adarsh Vidya Saraswati Rashtriya Puraskar by Global Management Council, Ahmedabad ( 2016); Fellow ,Telangana Academy of Sciences, Fellow, Indian Chemical Society; Member, American Chemical Society, Indian Science Congress Association & Indian Society for Technical Education


	<b>Name:</b> Dr. Umakanth A.V. <b>Born:</b> 11-08-1969 <b>FTAS:</b> TAS/ 2019 <b>Address:</b> ICAR-Indian Institute of Millets Research, Hyderabad <b>E-mail:</b> <a href="mailto:umakanth@millets.res.in">umakanth@millets.res.in</a> ; <a href="mailto:umakanth@icar.gov.in">umakanth@icar.gov.in</a> <b>Mobile:</b> 91-9441980980
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MSc (Ag), Department of Genetics and Plant Breeding, PhD, in Genetics and Plant Breeding from Acharya N G Ranga Agricultural University, Hyderabad, India. Selected for the **Agricultural Research Service** of Dept. of Agricultural Research and Education-ICAR and joined the ICAR-Indian Institute of Millets Research (Formerly Directorate of Sorghum Research/National Research Centre for Sorghum) during 1997. Currently serving as Principal Scientist (Plant Breeding) and involved in the Genetic Enhancement of different types of sorghum.

**Academic and Research Achievements:** Developed several high yielding hybrids and varieties of sorghum which are released across India for general cultivation and are also quite popular with farmers. These genotypes encompass different product lines like Grain sorghum, Forage sorghum, Brown midrib sorghum etc. Promising among them are CSV 43 BMR (*Jaicar Nutrigaze*) which is the first ever brown midrib sorghum variety with low lignin to be released in India, CSV 36 ( *Jaicar Heera*), CSV 39 (*Jaicar Sona*), CSV 27, CSV 20 and CSH 23 which are popular grain and dual-purpose sorghum types. CSV 38F (*Jaicar Hariyali*) and CSV 32F are popular single-cut forage types. Besides these, developed several male sterile and restorer lines in *milo* and non-*milo* background which are currently being exploited for hybrid production. Pioneered work on introgression of brown midrib genes into elite sorghum cultivars for development of forage sorghum genotypes with high *In vitro* organic matter digestibility (IVOMD) and low lignin high biomass feedstocks for second generation biofuels production. Identified A<sub>4</sub> cytoplasm in sorghum to be least susceptible to sorghum shoot fly and which can be exploited for developing shoot fly-resistant hybrids through sterilization of shoot fly resistant lines into A<sub>4</sub> system and increasing the nuclear diversity for restoration

Published more than 70 research articles in various international and national journals, 20 conference papers, nine book chapters and several popular articles. Guided several PhD and M Sc (Ag) students and currently leads the Indian Sweet Sorghum and High Biomass Sorghum breeding research as Principal Investigator under the All India Coordinated Research Project on Sorghum.

**Awards and Honors:** **Fellow** of the Indian Society of Genetics and Plant Breeding, New Delhi; The ICAR “**Centre of Excellence**” award under ICAR Seed Project for 2013-14; **Certificate of Excellence** for the year 2019 for “Sweet and High Biomass Sorghum and Biofuel Research” by ICAR-Indian Institute of Millets Research; **Councillor** for “*Forage Research*” Journal published by Indian Society of Forage Research.

	<p><b>Name:</b> Dr. Venkateshwar S.</p> <p><b>Born:</b> 06-08-1949</p> <p><b>FTAS:</b> TAS/2005</p> <p><b>Address:</b> Plot #74, Road #3, Three Murthy Colony, Mahendra Hills, East Marredpally, Secunderabad-500 026 (Off): Methodist College of Engineering and technology, Abids,, Hyderabad.1</p> <p><b>Mobile:</b> 9493326991</p> <p><b>Email:</b> <a href="mailto:svenkateshwar49@gmail.com">svenkateshwar49@gmail.com</a>; <a href="mailto:svenkateshwar@rediffmail.com">svenkateshwar@rediffmail.com</a>,</p>
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**B. Tech., M. Tech., and Ph.D.** Degrees in Chemical Engineering O U, Hyderabad, India.

**Academic and Research Achievements:** Professor of Chemical Engineering and the Principal, University College of Technology, (O U). Methodist College of Engineering and Technology, (2009), Principal. Presently working as Director ( Academic ), in the same College (2014). He has published 62 papers in technical journals, 4 articles and presented more than 80 papers at various Seminars at National and International levels, and guided 8 Ph.D. students leading to Doctoral Degrees and a number of M.Tech students he also worked as Director, Centre for Biotechnology, O.U.(1996-2009) Director, Department of Publications and Press, O.U. (2000-2003). Worked as Warden, Assistant chief Warden and Additional Chief Warden for O.U. Hostels (1989 to 2000) Vice-Principal College of Technology, (1998-2000), Chairman, Board of Studies in Dairy Technology, for five years (1995-2001) and Dean, Faculty of Technology, OU (2003-05).

Executive Committee of Indian Institute of Chemical Engineers, Hyderabad Regional Centre (1980-2006) and served the Centre in various positions like, Hony. Treasurer, Hony. Secretary, Vice-Chairman and the Chairman. He got elected to the Central Council of Indian Institute of Chemical Engineers for a period 1999-2001 (3years) and again got elected to the Council for a period of three years (2004-06) . He worked as Hony Secretary, Vice president for three years and also President in the year 2006. He was actively involved in the conduct of Seminars/Work-Shops/Symposium Organized by the Osmania University and Indian Institute of Chemical Engineers.

**Other Contributions:** Governing Body, Selection Committees and member, Board of Studies of some of the constituent and affiliated Colleges of Osmania University and J.N.T.U.H. He is also a member of various bodies of OU and College of Technology, like Faculty of Technology, Finance Committee, Governing Body, Academic senate etc. Reviewer of Indian Chemical Engineer, Institution of Engineers, International Journal of Chemical reaction Engineering etc. He was also in the Committee of experts of All India Council for Technical Education and University Grants Commission and served as a member of District level consent for Establishment Committee of Andhra Pradesh Pollution Control Board (APCB), Hyderabad and served as a Member of the Executive Committee of South Central Zone of AICTE. Presently the TEQIP-II Mentor and Performance Auditor.

**Awards and Honours:** “ BEST TEACHER AWARDEE” of Govt of A.P from Osmania University in the year 2008 and EXCELLENCY IN TEACHING AWARD – 2014 ’ by Astha foundation, Meerut, Uttar Pradesh. Visited: Australia, Malaysiya, USA, Tibet, China, Nepal, Dubai, Japan, Thailand.,and Europeon countries


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	Born	:	12-05-1960
	FTAS	:	TAS/2010
	<b>Address</b>	:	Chief Scientist, Chemical Technology (IICT), Indian Institute of Hyderabad-500 007
	<b>Mobile</b>	:	9848562850;
	Email:		<a href="mailto:drb.venky@gmail.com">drb.venky@gmail.com</a> ;

MSc SKU,(1983),Ph. D. (SKU), (1990), Post Doc (1990-92): Duke University, North Carolina, USA.

**Academic and Research Achievements:** Scientist, IICT, Hyderabad. **Publications:** 105, **Patents:** 10  
PhDs:21 Hundreds of NCEs for various diseases have been prepared for biological evaluation under different programmes. Process R&D was carried out for many compounds, process development and development of non infringing routes , under sponsored and in-house projects at IICT.Very recently developed bench scale technology for Para methoxy phenyl acetic acid, Recently first synthesis/process was developed for K058 and its diastereomer ,K058 a molecule isolated at CSIR-CDRI for osteoblast activity and metabolic disorders treatment, which enabled CSIR-CDRI to transfer the molecule to Kemxtree, USA, a company also operating in India. His basic area of research 'Design and development of stereo selective strategies and newer strategies in chiron approach and their application to the synthesis of bioactive molecules. His group synthesized more than 100 natural and their closely related compounds. Carbohydrate chemistry and carbohydrate mimics are presently the major areas of research.

**Other Contributions:** Apart from invited lectures at seminars and symposiums, gave several talks for the popularization of science and green chemistry in schools, colleges and industries. Acted as consultants to many companies

**Awards and Honours:** Elected Member of National Academy of Sciences, Allahabad. Editorial member of journals

	<b>Name:</b> Prof. Venkateswara Rao K. <b>Born :</b> 10-02-1958 <b>FTAS :</b> TAS/2008 <b>Address:</b> Centre for Plant Molecular Biology (CPMB), Osmania University, Hyderabad-500 007. <b>Mobile :</b> 9391320822; <b>Off:</b> 27098087 <b>E-mail:</b> <a href="mailto:rao_kv1@rediffmail.com">rao_kv1@rediffmail.com</a> ; <a href="mailto:rao_kv@hotmail.com">rao_kv@hotmail.com</a>
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Venkateswara Rao obtained his M. Sc (OU, 1981) in Genetics and Ph.D (OU, 1986). He joined the Osmania University as Assistant Professor in 1989 and became Professor in 2005 at the Centre for Plant Molecular Biology. He was awarded the Rockefeller Foundation Rice Biotechnology Fellowship (1992-1994) and R.F. Biotechnology Career Fellowship (1996-1999) for the Post-doctoral work at the Purdue University, USA. He also worked as the visiting scientist (1994-1995) at the Purdue University, USA.

#### **Academic and Research Achievements:**

Prof. Rao developed, for the first time, transgenic indica rice varieties expressing mannose-specific lectins (GNA and ASAL) resistant to major sap-sucking pests, and evaluated them under field conditions in the hopper-prone areas. He established protocols for genetic transformation of cotton which led to the development of transgenic cotton plants resistant to major sap-sucking pests. A novel fusion protein (Cry-ASAL), comprising DI–DII domains of Cry1Ac and the carbohydrate-binding domain of garlic lectin, has been constructed. The fusion-protein exhibited higher insecticidal activity than the parental proteins against major insects of rice. Prof. Rao isolated different stress-inducible genes from pigeonpea, and their overexpression in heterologous plant systems exhibited significant tolerance against multiple abiotic and biotic stresses. He optimized protocols for plant regeneration from glume calli of maize and demonstrated the fidelity and efficacy of FLP/FRT site-specific recombinase system for elimination of marker genes. Prof. Rao developed numerous activation-tagged rice lines for identification of genes associated with different agronomic traits. He could analyze the anther-/pollen-specificity of different inflorescence-specific promoters of rice, and successfully engineered transgenic male-sterility systems which opened up the possibility of developing hybrid rice varieties in desired genetic background. Thus far, he guided sixteen PhDs and published more than 100 research papers in reputed national and international journals. Prof. Rao participated in several national and international conferences and presented research papers.

**Awards and Honours:** He is a Fellow of Indian National Science Academy, Fellow of National Academy of Sciences, India and Fellow of Andhra Pradesh Akademi of Sciences. Prof. Rao is a member of editorial boards of reputed scientific journals.



	<p><b>Name:</b> Prof. Venkateswar Rao L.</p> <p><b>Born:</b> 03-02-1955</p> <p><b>FTAS:</b> TAS/2006</p> <p><b>Address:</b> Osmania University, Hyderabad-500007,(TS).Flat 407,Chowdhary Residency, Road No. 4 Green Hills Colony, Hyderabad-500035</p> <p><b>Mobile:</b> 09391011277; 7989451907; 27682246(O),</p> <p><b>Email:</b> <a href="mailto:vrlinga@gmail.com">vrlinga@gmail.com</a></p>
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M.Sc and Ph.D in Microbiology from Department of Microbiology, (OU, 1978 and 1984)37 years of teaching and research experience mainly in the area of Industrial Microbiology and Microbial Biotechnology.

**Academic and Research Achievements:** Lecturer in Department of Microbiology, University College of Science, Osmania University, Hyderabad in 1978, then he moved to Nizam College, Osmania University in 1984 as Senior Lecturer and established a separate Microbiology Department and worked as Head & Chairman, Board of Studies in Microbiology and also as academic council member of the college. In 1992, he came back to Department of Microbiology, UCS, Osmania University as an Associate Professor and has been working as a Professor since 2000 and worked as Head, Department of Microbiology for 6 years and as Chairman, Board of Studies for 8 years. As senior most Professor of the Dept. worked as Co-Ordinator of UGC DRS I (SAP) Programme of the Dept. of Microbiology. After superannuating on 28th February 2015 worked as UGC BSR Faculty Fellow from 2<sup>nd</sup> March, 2015 for a 3 year term in the Dept. of Microbiology, Osmania University. He is also the current Vice-Chairman of Indian Academy of Microbiological Sciences.

**Other Contributions:** National and international conferences as convener and organized several training and consultancy programmes. His research interests include production of bioethanol and xylitol from lignocellulosic substrates, development of probiotics for human health and animal productivity, production of rifamycin and several microbial enzymes using cheap renewable substrates. Thirty five Ph.Ds were awarded under his supervision, many of them are working in reputed labs and industries in USA. He has published more than 140 research papers, filed 2 patents and presented more than 150 papers in various conferences and published 12 books and book chapters. He has completed more than 20 research projects from various funding agencies and reputed industries. He played active role in getting huge grant (14 crores) from DBT to Life Science Departments of Osmania University under ISLARE programme and worked as sub-coordinator of this programme. He is an advisor for few biotech industries, academic institutions and member of expert committees at state and national level. He is on the editorial board and a regular scientific reviewer to several international and national journals. He is a Life Member of Indian Science Congress Association, Association of Microbiologists of India and Biotech Research Society of India and Member of American Society for Microbiology and American Society for Advancement of Science. He practices Sahaj marg method of meditation in Shri Ram Chandra Mission and also imparts spiritual training to interested persons as a preceptor.

**Awards and Honours:** Received Best Teacher Award from Government of Andhra Pradesh in the year 2011 and worked as President of Association of Microbiologists of India in 2012. He is a fellow of Biotech Research Society of India and Andhra Pradesh Academy of Sciences. He worked as General Secretary of BRSI, Governing Body member of BRSI, Executive committee member of AMI, Associate editor of IJM and president of AMI, Hyderabad Unit. He visited USA, Greece, Germany, Denmark, France & Norway and presented scientific research papers.




	<p><b>Name:</b> Dr. Venkateswarlu B.</p> <p><b>Born :</b> 01-06-1953</p> <p><b>FTAS :</b> TAS/2014</p> <p><b>Address :</b> Vice-Chancellor, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani 431402; Plot No.30, Abhyudayanagar, L.B. Nagar, PO Hyderabad 500074, Tel: (02452) 223002,</p> <p><b>Mobile :</b> 07588543565, 09652988265</p> <p><b>E-mail :</b> <a href="mailto:vbandi_1953@yahoo.com">vbandi_1953@yahoo.com</a>, <a href="mailto:vcmau@rediffmail.com">vcmau@rediffmail.com</a></p>
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M.Sc. Microbiology (OU, 1978) and Ph.D. in Soil Microbiology from JN Vyas University, Jodhpur, Rajasthan. He worked for a brief period in ICRISAT (1976-1977) and selected ARS, ICAR in 1977. He served for over 35 years in different capacities and Director CRIDA, Hyderabad between 1977-2013. Currently he is serving as Vice-Chancellor, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani from February 2014. Visited several countries like USA, Australia, China, Switzerland, Kenya, Canada, Malaysia, Sri Lanka for training, as subject expert and representative of the ICAR.

**Academic and Research achievements:** Dr. Venkateswarlu has contributed to basic and applied research in the fields of Soil Microbiology/ Soil Fertility and dryland agriculture/climate change over the last 35 years and published nearly 240 research papers in leading peer reviewed journals, out of which more than 100 papers have NAAS rating of more than 6. He made original research contributions in the area of biological nitrogen fixation, particularly, understanding the impact of water stress on host plant and microsymbiont. He contributed to the first ever mapping of the microbial ecology of the Indian desert. As Coordinator of NATP Project, he contributed to the implementation of the national level on farm research program under rainfed agro eco systems involving 103 centres. As Director, CRIDA, he provided effective leadership at national level in rainfed agriculture and climate change research, preparation of the district level (581) crop contingency plans for the entire country, mainstreaming agromet advisories, and upscaling location specific rain water harvesting/drought management practices, etc. The rainwater harvesting technologies developed at CRIDA under his leadership are being upscaled in several states, like AP, Maharashtra, Karnataka and MP through RKVY, MGNREGA, etc. Most recently, the scientist has formulated and implemented one of the largest network projects of the ICAR i.e. National Initiative Climate Resilient Agriculture (NICRA) involving 21 ICAR institutions, 10 SAUs and 100 KVKs. Many successful examples of climate smart practices emerged out of this project are being mainstreamed under the National Mission on Sustainable Agriculture (NMSA).

**Other contributions:** Dr. Venkateswarlu served on several National level committees of Planning Commission, Ministry of Agriculture, Rural Development, DST in NABARD etc. as Chair/Member of expert committees and contributed to policy making at National level on Dryland Agriculture and Climate Change. He was the key member for drafting the guidelines for drought management for NDMA and prepared more than 500 district level contingency plans for monsoon aberrations which are helping the Govt. of India for management of natural calamities in agriculture sector.

**Awards and Honors:** Dr. Venkateswarlu is a fellow of the National Academy of Agricultural Sciences, Telangana State Academy of Sciences, Indian Society of Oilseed Research and President of the Indian Society of Dryland Agriculture. He received several national level awards for his contributions on research in natural resources management like Vasant Rao Naik award for dryland farming (ICAR), FAI golden jubilee award, Fakruddin Ali Ahmed award for research on tribal farming (ICAR), SP Roy Chaudhary memorial lecture award of Indian Society of Soil Science, Vasant Rao Naik Krishi puraskar of VN Pratishthan, Mumbai and Hari Om Ashram trust award of ICAR. He is a reviewer of several reputed national and international journals and executive committee member of the National Academy of Agricultural Sciences.


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He has obtained B.Sc. (MPC) from Osmania University in 1991, M.Sc. (Physics) from University of Hyderabad in 1994 and Ph.D. (Physics) from University of Hyderabad in 2000. He worked as a Research Fellow at University of St. Andrews, Scotland, UK during 2000-2003 and as Senior Research Fellow at the National University of Singapore during 2003-2004. He worked as an Assistant Professor at IIT Guwahati during 2004-2007 and joined as a Reader at the University of Hyderabad in 2007. He later became an Associate Professor in 2010 and Professor in 2013.

**Academic and Research Achievements:** He has guided 8 Ph. D. students and 8 more are working in his group. He has published **1 book, 10 book chapters**, and **>270 papers** in refereed journals and international conference proceedings, presented **>150 papers** presented in various international/national conferences. He has delivered **>65 invited talks and 1 PLENARY talk**. He has successfully established state-of-the-art ultrafast laser laboratories at ACRHEM, University of Hyderabad. His research interests include detection of explosives using the techniques of SERS, LIBS, CARS etc. and ultrafast laser-matter interaction. **Google Scholar Citations:** [http://scholar.google.com/citations?user=drv\\_va8AAAAJ&hl=en](http://scholar.google.com/citations?user=drv_va8AAAAJ&hl=en) **5235 citations (JANUARY 2020). h-index of 41; SEVEN (7) documents with >100 citations; TWENTY-EIGHT (28) papers with >50 citations.** He has served as technical/organizing committee member for various national/international conferences and chaired a few sessions in some of them. He has evaluated several theses from India and abroad.

**Other Contributions:** His significant contributions are in the areas of ultrafast spectroscopy wherein he developed laser spectroscopy-based techniques for the detection, characterization of organic and inorganic explosive molecules. He has also developed laser-based techniques to synthesize nanoparticles, nanostructures and some of these have been applied for trace-level detection of explosive molecules. Prof. Soma has developed novel, robust, and versatile SERS substrates based on Ag, Au, Cu, Ag-Au, ZnO-Ag nanostructures for detection of several common explosive molecules (e.g. picric acid, ammonium nitrate, TNT, RDX etc.) using a portable Raman spectrometer. Prof. Soma's group has effectively synthesized several metallic nanoparticles and nanostructures (e.g. Ag, Al, Cu, Ag-Au, Au-Cu, Ag-Cu etc.) in a single experiment using ultrashort laser pulses and utilized them in (a) explosives detection (b) photonics and (c) bio-medical applications (anti-bacterial activity). Such NPs and NSs were successfully used for trace level detection of explosive molecules. Prof. Soma has developed the femtosecond (fs) laser induced breakdown spectroscopic (LIBS) technique for explosives detection (including the standoff regime). Demonstrated standoff (at 8.5 m) detection of explosives using femtosecond laser pulses (filaments). Trace detection of explosives in the standoff regime achieved using nanoparticle enhanced LIBS. Classification of explosives (ANTA, CL-20, DADNE, NTO, RDX, TNT) and non-explosives (PMMA, Paraffin, Sugar) achieved using fs and ns LIBS data. Prof. Soma is involved in the development of ultrafast time-resolved techniques to probe the excited state dynamics in organic/semiconductor molecules and various nanoparticles.

**Awards and Honors:** Fellow of the Institute of Physics, London, UK (2019); Fellow of the Telangana Academy of Sciences (2017); Recipient of the Chancellor's award (2016) University of Hyderabad and NASI-SCOPUS award (2012) in Physics category and the Chancellor's award for the year 2016 from University of Hyderabad. Elected as SENIOR MEMBER of organizations such as OSA, SPIE, and IEEE. He is now serving as an **Associate Editor** of the journal RSC Advances. Member of permanent editorial board (**Review Editor**) for the "Optics and Photonics" section of "Frontiers in Physics" journal.


	<b>Name</b>	:	<b>Dr. Venugopal Reddy, A.</b>
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	<b>Address</b>	:	9-6-169, Road No:2, Durga Bhavani Nagar, Hyderabad-500 059
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B.E in Metallurgical Eng, National Institute of Technology, Warangal. Ph. D Banaras Hindu University, Varanasi on ' Influence of Stacking Fault Energy and Grain Size on Solid Particle Erosion' .He joined Defence Metallurgical Research Laboratory as Scientist and initiated Development of various grades of steels and Bio medical devices. He also pioneered failure analysis of components/ systems pertaining to defense hardware. Subsequently he joined Regional Centre for Military Airworthiness (Materials), Hyderabad and certified many metallic and non-metallic materials for their airworthiness.

**Academic and Research Achievements:** Dr.Venugopal Reddy had evaluated the efficacy of boride coating in resisting wear and erosion in gun barrels through imparting boride coating to a LMG which resulted in a four-fold increase in life. He also made considerable efforts to popularize boronising and taken patent on 'An Improved Boronising Mixture and A Process for Preparing there-of'. Novel research work was initiated to understand the influence of metallurgical variables in solid particle erosion resistance of materials. These efforts led to the finding that erosion resistance not only increases with decreasing stacking fault energy but also is independent of grain size in bcc, fcc and hcp metals. He further established that the graphite morphology and matrix structure of cast irons have profound influence on the erosion resistance. These findings are extensively referred to in the erosion literature. He nurtured the failure analysis group at DMRL, which is recognized as a center of excellence in the field. Hundreds of failure cases were investigated and many industrial problems were solved. Based on the experience, a textbook titled 'Investigation of Aeronautical and Engineering Component Failures' was authored and was published by CRC Press, USA in 2004. Venugopal Reddy also initiated original research work and supervised M.Tech and Doctoral research work. Four M.Tech. theses (2 to BHU, Varanasi, 1 to IIT, Kharagpur and 1 to NIT, Warangal) and three doctoral research programs on 16Cr-2Ni steel, welding superalloy 718 and archeometallurgy were completed. In addition, he developed many technologies for product development. Some of the products development include Technologies for many strategically critical and advanced technology products were developed leading to establishment of production facilities and achievement of self-reliance; Technology for low carbon steel-cast iron bimetal used as STATOR BRAKE PADS aircraft; Technology for steel-brass bimetal used as guide rails for torpedo from submarines; Technologies for steel products used in defence; Technology for missile guidance wire and copper wire for intra uterine contraceptive device. Airworthiness certification of all types of materials for use in military aircraft is the primary responsibility. In discharge of the duties as head of RCMA(Materials), guided the development and certification of varieties of materials (steels, super alloys, Ti alloys, carbon-carbon composites etc.) and product forms (castings, forgings, bars, sheets etc.) Many products are serving military aircraft without safety hazards. Comprehensive knowledge in formulation of material standards, quality definitions based on service conditions, process definition based on quality requirements etc. is the strength. Successfully handled the immense responsibility of ensuring safety of aircraft with balanced usage of authority to circumvent the pressures that are encountered.

**Other Contributions:** Other noteworthy contributions to the field of biomedical devices are development of Copper wire for Intra Uterine Contraceptive Device (IUCD); Angioplasty guide wire; Cardiovascular stents; Gigli Saw and Modular Total Hip Prosthesis (THP).

**Awards and Honours:** Dr. Venugopal Reddy is a recipient of Steel Eighties' Award, Indian Institute of Metals; Scientist of the Year' Award, Defence R&D Organisation, 1996; Special Honour on National Science Day - AP Academy of Science, 1997; Best Invention' Award - All India Industrial Exhibition Society, 1998; Defence Technology Spin-off' Award (for DMRL), DRDO, 1999; Distinguished Alumnus' NIT, Warangal, 2002.


	<b>Name</b> : Prof. Venugopal Reddy P. <b>Born</b> : 15-05-1951 <b>FTAS</b> : TAS/2006 <b>Address</b> : H.No:9-15/1 ,Ravindra Nagar Colony, Habsiguda, Hyderabad-500007 <b>Mobile:</b> 9866467029; <b>Off;:</b> <b>Res:</b> 27174762 <b>E-mail:</b> <a href="mailto:paduruvenugopalreddy@gmail.com">paduruvenugopalreddy@gmail.com</a> ;
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Dr. Paduru Venugopal Reddy after completing his graduation from Nagarjuna Govt. College, Nalgonda, did his M. Sc., (Solid State Physics ) from Dept. of Physics, University College of Science, Osmania University in 1973. Later, he joined in State Govt. service in 1974 as a Lecturer in Physics. In 1976, he joined Ph.D., program and completed the research degree during 1980 from Osmania University. Subsequently, he Joined Osmania University as an Asst. Professor in Physics in 1984 and was promoted as an Associate Professor ( 1989 ) and later as a Professor of Physics in 1998. In 2002, he was made Principal, P.G. College of Science, Saifabad and served in that position for 2 years and six months. During 2006, he was appointed Director, Alumni Association of Osmania University and successfully completed the four years term in 2010. Finally, Prof. Reddy superannuated from the University service in 2009, after completing 11 years as a Professor.

**Academic Research Achievements:** During 2009, Prof. Reddy joined a reputed private engineering college, Vidya Jyothi Institute of Technology, as a Professor of Physics and Principal. Subsequently, he was made Director of the college and continues to occupy the same position till date. At present apart from his administrative responsibilities, he is also supervising the Ph.D., work of three research scholars. During his 8 years and six months period of stay in this college, he has not only completed a pending DST project sanctioned to Osmania University but also a Rs 51.00 Lakh DRDO sponsored research project. One more Rs. 51.00 Lakhs DRDO sponsored research project was sanctioned to Prof. Reddy recently and is an ongoing research project. His research fields include ferrites, metallic glasses, High  $T_c$  superconductors, Dilute Magnetic Semiconductors, Manganites, Mutiferroics, shape memory compounds, Ab initio computational work etc.,

**Other Contributions:** During the entire research career of Prof. Reddy, spread over a more than 35 years, he has completed 15 research projects sponsored by UGC, DST, DRDO etc., and 18 students were awarded with Ph. Ds under his supervision. The work of another two students is in an advanced stage of completion. Further, based on the work done by him along with his group of students, he has published more than 200 research papers in International & peer reviewed Journals of repute. His work also yielded three patents. Prof. Reddy not only participated in more than 50 national 15 International conferences in India but also another 15 International conferences abroad. To present his work, he has visited USA, China, Japan, Italy, France, U.K, Australia, Malaysia. He was also acting as a visiting Professor at University of Maryland at Baltimore County, USA, University of Technology, Mara, Kula Lumpur, Malaysia, Shanghai University, Shanghai, China. In addition to acting as a Ph.D., thesis adjudicator of several Universities, he has also been acting as a Referee for several International Journals.

**Awards and Honors:** Prof. Reddy was elected as a Fellow of Ultrasonic Society of India, in 2001 and as a Fellow of A.P. Academy of Sciences in 2007. Subsequently, in 2016 Prof. Reddy also became a founder member of Telangana Academy of Sciences. He is also a distinguished Life Member of Materials Research Society of India and a Life Member of Indian Science Congress. Among several other achievements, he has authored 4 books and is currently acting as an Editor of Science Letters Journal (Published by Cognizure). He has acted as a UGC - SAP advisory committee member of the Dept. of Physics, Kakatiya University, Warangal, and as a Foreign expert member of the selection committee to select Professors of Physics of University of Putra Malaysia.

	<b>Name:</b> Prof. Vidyavati <b>Born:</b> 15-09-1939 <b>FTAS:</b> TAS/1999 <b>Address:</b> Former Vice-Chancellor (Kakatiya University), 4-6-21/35, Ramreddy Nagar, Nacharam, Hyderabad – 500 076. <b>Mobile:</b> 99495 - 13789 <b>E-mail:</b> <a href="mailto:profvidyavati@yahoo.com">profvidyavati@yahoo.com</a>
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M.Sc. Botany (OU, 1961) and Ph. D (OU, 1967), specialized in Hydrobiology and Microbiology. Joined (OU, 1968), as Lecturer, and Kakatiya University as Reader, and Professor, Head of Botany Department and Chairperson of Board of Studies. Member of Standing Committee, and Executive Council of Kakatiya University. In-charge of Central Instrumentation Center and Warden of Ladies Hostel. Served as the Vice-Chancellor of Kakatiya University. (1998-2000).


**Academic and Research Achievements:** Earlier during 1980 – 81, Post-Doctoral research as a Commonwealth Academic Staff Fellow at Royal Holloway and Bedford College, University of London, UK, (180-81), training for three months on the processing of Biological Material for Electron Microscopy. Attended British Phycological meeting in Liverpool, United Kingdom. During 1985 – 86, under Indo-Czech Cultural Exchange Programme, she did her Post-Doctoral Research at the Institute of Microbiology, Trebon, Czechoslovakia, (1985-86). She also visited various institutions at Oxford, Reading, Cambridge, France, Czechoslovakia, Bratislava and Toronto. Ottawa (Canada), Seoul (South Korea) and Cyprus. Published 350 papers in national and international journals, besides published and edited 10 books. Guided 25 Ph. Ds and 2 M.Phils.

**Other Contributions:** She has been on the Advisory Board of various scientific bodies Fellow of Society for Plant Research, Fellow of Indian Botanical Society, and President of Indian Phycological Society. Associate Editor of Journal Aquatic Ecosystem Health (USA), and Executive Member of Phycological Society, Chennai. Editorial Board of Seaweed Research, Utilisation and Nature and Biosphere. NAAC chairperson for of the States of Maharashtra, Kerala and Karnataka.

**Awards and Honours:** Best Woman Scientist (2000) by IICT, Hyderabad. Gold Medal by Plant Science Association, Uttar Pradesh. (2000). Millennium Award by the International Association of Educators for World Peace. Indira Priyadarshini Award. (2001). Member of National Advisory Committee, Sarojini Naidu Centre for Women Studies, in Hyderabad.

Lifetime Achievement Award by Krishnamurthy Institute of Algology, Chennai. (2001), member of Academic Council for Chaitanya Colleges, Warangal. Advisory Committee for Women's Cell of Kakatiya Institute of Technology and Science, Warangal. Member of Indian Red Cross Society, Warangal. Again, the outstanding achievements in the field of education by Govt. of Telangana in (2015 – 2017).




	<b>Name</b>	:	<b>Dr. Vijay Kale,</b>
	<b>Born</b>	:	01-11-1950
	<b>FTAS</b>	:	TAS/2006
	<b>Address</b>	:	4-3-224/A, Sultan Bazar, Hyderabad-500195,
	<b>Mobile</b>	:	<b>9848061805; Res: 2475525</b>
	<b>E-mail</b>	:	<a href="mailto:vijay_kale1@rediffmail.com">vijay_kale1@rediffmail.com</a> ;

B Tech, M Tech (OU, 1973, 1975), Ph. D Chemical Engineering, (OU, 1993 ).

**Academic and research Contributions:** Lipid Science and Technology Division of Indian Institute of Chemical Technology, Hyderabad, a reputed R&D institute of CSIR, New Delhi in 1977 and retired as Director Grade Scientist in 2010. He strongly believes in development of a Chemical Process from 'Concept to Commercialization'. He was a key person in development of processes for many castor oil derivatives, such as, Undecenoic acid (UDA), Hydrogenated castor oil (HCO), 12-hydroxy stearic acid (12 H S A), dimer acids, polyamide resins etc, and Biodiesel, Synthetic aviation lubricants, membrane technology in vegetable oils and fats field which were developed first on Laboratory scale and then on pilot plant scale. The processes for HCO and 12- H S A were successfully demonstrated to a Vegetable oil Industry near Hyderabad and the first commissioning batch matched the International standards and so was exported by the Industry. Some of the processes such as UDA, Synthetic Aviation lubricant and Enzymatic extraction of crude rice bran oil were developed for the first time in the country. He played a key role in commercialization of technology for UDA which was successfully demonstrated to two industries in Gujarat, and the process for Enzymatic degumming of rice bran oil which was successfully demonstrated to about 25 vegetable oil refining industries throughout India. The total External cash flow from selling these technologies was about Rs. 31 crores. Due to his untiring efforts and managerial skills he rose to the position of Head of the Lipid Science and Technology Division and then to the position of Director Grade Scientist(Chief Scientist). During his tenure he interacted successfully not only with various other Divisions of IICT but also with other National and International Institutes for smooth implementation of the research projects. He was deputed to University of Illinois at Urbana, USA to obtain 'Hands on application training in Membrane Technology field' and was invited as a visiting scientist by the Chemical Engineering Department of Saskatchewan University, Saskatchewan, Canada. He has published twenty five research papers in various national and International Journals and has three patents to his credit. He has guided three PhD, six M Tech and ten B Tech Chemical Engineering students. He is examiner for PhD thesis evaluation at IIT Delhi, HBTI Kanpur, Jadavpur University, Kolkata, Institute of Chemical Technology (ICT), Mumbai and Osmania University, Hyderabad. He was invited to deliver about fifteen lectures by various National and International organizations.

**Other contributions:** During his tenure he was member of many National committees such as Scientific Advisory Committee of DBT, New Delhi for Bio energy, Bureau of Indian Standards for oils and oil seeds committee, member of Board of M Tech studies at HBTI, Kanpur etc. He is an active member of Professional bodies such as Telangana Academy of Sciences, Oil Technologist's Association of India SZ where he served as Vice President and as President for two consecutive terms, Indian Institute of Chemical Engineers-Hyderabad Regional Centre where he was vice chairman and presently he is the Chairman and is life member of other organizations such as AFSTI, ICS and ISAS.

**Awards and Honours:** In recognition of his research work he was conferred many National Awards, notably among them are Technology Award of DST from the then President of India, Dr. Abdul Kalam, Technology Prize of CSIR from the then Honorable Speaker of Lok Sabha, Sri. Somanth Chatterjee, Hussain Zaheer Award by Oil Technologist's Association of India and many others.

	<b>Name:</b> Dr. VIJAY R. <b>Born:</b> 26-10-1970 <b>Elected:</b> TAS/2018 <b>Address:</b> Head, Centre for Nanomaterials, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Balapur, Hyderabad - 500005 <b>E-mail:</b> <a href="mailto:vijay@arci.res.in">vijay@arci.res.in</a> , <b>Mobile:</b> +91-9441456688 <b>Tel:</b> +91-40-24443170 (o)
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B. Tech. (Chemical Engineering, NIT Warangal 1990). M. Tech Computer Aided Process and Engineering Design), NIT Warangal, (1993). Ph. D. (Mechanical Engineering), IIT Madras, (2007) on “Hydrogen Storage in Mechanically Alloyed Magnesium based Materials”. He worked at Non Ferrous Materials Technology Development Centre (NFTDC) (1992 to 1994) on development and setting up of a pilot plant facility for “Extraction of Molybdenum from Molybdenite Concentrate”. He joined International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) as a Scientist-I in 1994. Presently Scientist ‘F’ and Head of Centre for Nanomaterials at ARCI. Postdoctoral Fellow at University of California, Santa Barbara, USA in 2010.

**Academic and Research Achievements:** Guided 2 Ph. D. students and 10 M. Tech students, Research interest in Nanostructured materials, High Kinetic Processing (Mechanical Alloying), Oxide Dispersion Strengthened Materials, Powders for Additive Manufacturing, Powder Metallurgy, Biomaterials and Hydrogen Storage Materials. Developed oxide dispersion strengthened steel clad tubes for fast breeder reactor and established technology for the large scale production. Developed lead free copper alloys for bimetal bearings and various heat pipes for cooling of semiconductor devices. Two technologies namely Heat pipe based heat sinks, and Lead free copper alloys for bimetal bearings were transferred to industries. Two granted Indian patents, 3 filed Indian patents and 3 filed international patents to his credit. Published more than 25 papers in peer reviewed journals.

**Other Contributions:** As a head of Nanomaterials division, he is spearheading the programs for silica aerogels, electrode materials (lithium iron phosphate and lithium titanate) for lithium ion batteries, super capacitors, nano-oxide dispersion strengthened steels for clad tubes of fast breeder reactors and blades for steam and gas turbines, Aluminium-CNT composites, transition metal sulphides as additives to lubricants and catalysts in petrochemical industry, and large scale production of nano powders.

**Awards and Honors:** Recipient of FTCCI Excellence Award from Federation of Telangana Chamber of Commerce and Industry, Indo-US Fellowship award from Indo US Science and Technology Forum, “Engineer of the Year 2007” award from Institution of Engineers, Hyderabad and DST-DAAD fellowship.



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M.Sc in Physics (OU) and Ph.D (OU). joined (NGRI) and carried out deep crustal seismic investigations in different geological provinces of India. worked at USGS, Melno Park, USA.

**Academic and Research Achievements:** Vijaya Rao contributed significantly to the problems related to global Earth Sciences, such as the continental evolution and deformation, by conducting a large number of deep / shallow seismic experiments. These studies encompassing different tectonic domains addressed fundamental problems related to the lithospheric structure, composition, dynamics, origin and evolution of the continental crust. He is recognized for developing expertise in a new field - “Deep Continental Seismic Reflection Profiling” in India. Major contribution involves in understanding the evolution and collapse of orogenic belts - orogenic cycle, as the crustal evolution is related to orogenic activity. Utilizing the velocity and reflectivity images, he delineated complex structures, like crustal-scale thrust faults, collision signatures, Moho geometry, crust-mantle detachment, reequilibrated younger Moho and delamination of crustal roots and developed evolutionary models for Southern Granulite terrain, Dharwar craton and Aravalli-Delhi & Sausar orogenic belts. Some of the crustal-scale faults are identified as paleo-subduction, collision and suture zones. He identified for the first time Paleoproterozoic “Ulleri-Wangtu” orogenic belt in the sub-Himalaya and contributed in understanding the Kangra recess and earthquake hazard. He identified paleo-collision zones as metallogenic provinces and locales for seismicity, thereby understand the craton-mobile belt relationship. His geodynamic studies identified the operation of plate tectonics since Neoproterozoic over the Indian shield. He identified that India was a part of Columbia, Rodinia and Gondwana supercontinents by identifying collision signatures. His research activity to delineate basin configuration covering various sedimentary basins is useful for exploration of hydrocarbons in the country. He suggested SW-extension of sediments in Kutch basin, identified the Hinze Zone in the west Bengal basin and delineated huge-thickness of Mesozoic and Gondwana sediments below Deccan and Rajmahal traps. He developed innovative techniques to explore seismic velocity and geometry of complex deep crustal structures by modeling and inversion of complex waveforms. He demonstrated that the mantle plumes played an important role on the evolution of crustal structure. His research activity unravels the geological history from 3400 Ma (Million years) to Recent.

**Awards and Honours:** Fellow of International Association for Gondwana Research, Geological Society of India, Indian Geophysical Union and Andhra Pradesh Academy of Sciences. Member of Association of Exploration Geoscientists, J.Himalayan Geology, Society of Petroleum Geophysicists. He is recipient of Radhakrishna Award (2007) from J.Geological Society of India; Swami Vivekananda Award (2012) and Lifetime Achievement Award (2013) from the Indian Institute of Oriental Heritage. His service in NGRI is extended beyond the age of 60 for two more years. He is a member interview committee board of UPSC, Group-IV services of Geologists examination. He chaired scientific sessions at seminars / symposia and delivered invited talks. Reviewer for National and International journals. His biography is enlisted in “Biography India”, “Asia / Pacific Who’s Who” and “Asian American Who's Who”.


	<p><b>Name:</b> Dr. Vijayalakshmi K.</p> <p><b>Born:</b> 27-11-1954</p> <p><b>FTAS:</b> TAS/2001</p> <p><b>Address:</b> Senior Consultant, Obstetrician &amp; Gynaecologist, Clinical Geneticist, Research Co-ordinator, Durgabai Deshmukh hospital &amp; Research centre; Vasavi Medical &amp; Research centre, Hyderabad,</p> <p><b>Mobile:</b> 98480 30379</p> <p><b>E-mail:</b> <a href="mailto:kovila@gmail.com">kovila@gmail.com</a></p>
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MBBS(OU), FRCOG (Royal College of Obstetricians & Gynaecologists – UK), PhD-Human Genetics (OU):doctoral work on Genetic & Molecular Pathogenesis of Endometriosis. Post graduate training in National Women's Hospital in Auckland, New Zealand. Worked as a Specialist Registrar in Obstetrics & Gynaecology, in Newcastle-upon-Tyne General Hospital in The United Kingdom. Obtained Fellowship in Fetal Medicine, in University College of London, UK. Joined Durgabai Deshmukh Hospital as Consultant, Started postgraduate training course in 1989, in Obs & Gyn for Degree of Diplomate National Board, Govt of India, for the first time in Andhra Pradesh. Research Co-ordinator in the Dept of Genetics & Molecular medicine in Vasavi medical & Research centre, Hyderabad since 2004.

**Academic and Research Achievements:**Her research is focused on the diseases affecting young women compromising their reproductive potential like Uterine Leiomyomata, Polycystic Ovarian Disease, Endometriosis. Their molecular and genetic etiopathogenesis is being studied. She is also working on the Cervical Cancer molecular pathogenesis in relation to the Human Pappilloma Virus. She has worked and continuing the study of Pregnancy complication of Pre-eclampsia, identifying molecular markers for early diagnosis and prevention, as this is one of the leading cause of Maternal Mortality in India.The other area of interest is Prenatal genetic diagnosisto identify correctable, treatable causes before the birth of the fetus..

**Other Contributions:**Published about 40 research papers in peer-reviewed journals and guided 8PhD students. Presented more than 100 clinical papers in International & national conferences and guided more than 100 post graduate gynecologists in DNB. She Co-authored a book on Endometriosis. Presently is a member of the Editorial board of more than 6 medical journals. She received the 'award of Scientist' from the Andhra Pradesh Academy of Sciences. She is actively involved in various scientific programs for inculcating scientific temper and inspiring medical colleagues, under-graduate & post-graduate doctors to take up scientific research activities.

**Awards and Honors:** Fellow of the Royal College of Obstetricians & Gynaecologists of London, Diplomate National Board Teacher, Fellow of the Telangana Academy of Sciences, India. She is credited with a First to start the DNB programme in the state of Andhra Pradesh in 1989. She is a recipient of Fellowship from University College of London for Fetal medicine. Founder President of the Nalgonda Obstetricians & Gynaecologists Society affiliated to Federation of Obstetricians & Gynaecologists of India. President of an NGO Rajamallu Education Society to propogate health, education & scientific temper in the rural Telangana.

	<p><b>Name:</b> Dr. Vijayalkashmi Venkatesan</p> <p><b>Born:</b> 16-01-1959</p> <p><b>FTAS:</b> TAS/2019</p> <p><b>Address:</b> Stem Cell Research Lab, Dept. of Biochemistry, National Institute of Nutrition – ICMR, Tarnaka, Hyderabad -500046</p> <p><b>E-mail:</b> <a href="mailto:v.venkateshan@gmail.com">v.venkateshan@gmail.com</a></p> <p><b>Contact Nos:</b> +91-9246109383, 040 27197301</p>
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B.Sc (Botany, Zoology, Chemistry), Osmania University, 1979; M.Sc. (Biochemistry), Osmania University (2<sup>nd</sup> Rank), 1981; Ph.D (Biochemistry), National Institute of Nutrition/ Osmania University, 1987; Assistant Research Officer, NIN, 1987-1990; Post-doctoral Research Fellow, CCMB - Hyderabad, 1990-1995; Scientist –‘D’, Owaisi Hospital, Hyderabad, 1996-2002. Joined NIN Hyderabad as Scientist –‘D’ in 2002 and currently working as Scientist –‘G’ (Director –Grade) since 2018, heading the Cell and Molecular Biology Department/Stem Cell Research Division.

**Academic and Research Achievements:** Prophylactic role of Pyridoxal phosphate to enhance Beta cell health and regeneration in Diabetic milieu. Successful Transplantation and long term maintenance of encapsulated islets in pancreatectomized primates without immunosuppressants. Feasible applications of Mesenchymal Stem Cells in preclinical diabetes. *In-vitro* platform to study fetal programming. 90 papers in peer reviewed journals, >20 Articles in Books & Proceedings, Two patents (1 US patent / 1 Indian patent).

**Other contributions:** Received several extra-mural funded projects & human resource development to carry out the scientific research, Adjunct faculty in several Universities, Chairman/member of Stem Cell Committee in several institutes and hospitals. Recognized Ph.D Supervisor in O.U,NTR and JNTU.

#### Awards and Honors

Inducted as “Research Advisory Member in Biomedical Sciences” at the Nan Yang Academy of Sciences, Singapore, 2018; Bill and Melinda Gates Foundation Travel Award - Invited Speaker at Keystone Symposium on “Adipose Tissue Biology & Diabetes” at Colorado, USA, 2017; ICMR International Travel Grant to attend the Joint Meeting of The Islet Study Group & Beta Cell Workshop, Israel, 2015; Recipient of DoHAD Travel grant for delivering lecture as an Invited Speaker at 8<sup>th</sup> World Congress on “Developmental Origins of Health and Disease” (DOHaD, 2013), Singapore; ICMR International Fellowship for Senior Biomedical scientists to visit Karolinska Institute, Sweden, 2011; Invited to attend Noble Prize talk of Robert G Edwards at Karolinska Institute, Sweden, 2011; Selected by DST, Govt of India to attend the General Management Programme for Women Scientists at Administrative staff college of India, Bella Vista, Hyderabad, 2008; Young Investigator’s Award at Indian Association for Study of Liver (INASL) and European Association for the Study of the Liver, 2001; Best paper award at Indian Association For Gastroenterology & Indian Association For Liver Diseases, Pune, 1998; Rockfellar fellowship for presenting paper in the VII World congress Of Human Reproduction at Helsinki Finland, 1990.


	<p><b>Name:</b> Prof. Vijjulatha M.  <b>Born:</b> 15-10-1970;  <b>FTAS:</b> TAS/2018  <b>Address:</b> Department of Chemistry, Osmania University Hyderabad- 007  <b>Mobile:</b> 9866845408  <b>E-mail:</b> <a href="mailto:vijjulathamanga@gmail.com">vijjulathamanga@gmail.com</a>, <a href="mailto:vijjulatha@osmania.ac.in">vijjulatha@osmania.ac.in</a> ;</p>
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M.Sc Chemistry (1992) and Ph.D (1998) in Chemistry from University of Hyderabad as Junior Research Fellow and Senior Research Fellow (CSIR, New Delhi, India). She joined as faculty in Department of Chemistry, University college of Science, Osmania University in December 1999 and has 25 years of research and 19 years of teaching experience. So far, she has supervised 10 doctoral fellows and presently guiding 10 for their doctoral degree. Her area of Specialization is organic chemistry and research area is Molecular modeling and medicinal chemistry a sandwich of computational and synthetic organic chemistry.

**Academic and Research Achievements:** Her Thrust area of interest is computational design and synthesis of Novel drug like molecules having high potency towards inhibition of HIV-1 with special focus on non trivial proteins and inhibition of proteins involved in signaling and transduction, DNA synthesis, angiogenesis and she is also involved in developing potential leads as antiviral, antibacterial and antimalarial agents. She had been involved in developing structure based molecules as inhibitors spanning from Gp120 GP41 and Tat-Tar proteins of HIV-1, DNA binding enzymes like PARP and DNA polymerase, single carbon metabolites leading to nucleotide biosynthesis and on signaling pathways like JAK-STAT pathway and PI3K-AKT-mTOR pathways. She is a recipient of major research grants from - UGC (2008-2011 and 2013 - 2017); DST “**Young Scientist Scheme**” (Chemical Science), CSIR (2011-2014), **DST-SERB:** (2013-2017); Mentor for DST Women Scientist Scheme A (2013-2016), UGC UPE FAR OU (2014 and 2017) and DST-PURSE Programme - (2017- 2021), DST-SERB:(2019-2022) and CSIR (EMR-II) (2019-2022). She has successfully completed seven research projects and has two ongoing projects. The topics of her interest for teaching are Asymmetric synthesis, conformational analysis, Principles of Drug design and drug discovery, Lead modification and SAR Studies, QSAR studies and computer aided drug design

**Other Contributions:** She has 84 scientific articles in peer-reviewed journals with 541 citations to her credit. Her research group has presented 94 papers in national and international conferences and they have won best paper awards. She is a Resource person for many Institutes like NIPER Hyderabad, JNTU Hyderabad, several post graduate colleges, pharmacy colleges and an invited speaker for national and international conferences.


**Awards and Honors:** She has been conferred with best teacher award 2019 by government of Telangana state; 2017 by Vasavi seva Kendra Hyderabad. She is a member of American Chemical Society and Life Member of Indian Science Congress.

	<b>Name:</b> Dr. Vikas Kumar <b>Born:</b> 11-11-1959 <b>Elected:</b> TAS/ 2019 <b>Address:</b> Defence Metallurgical research Laboratory, Kanchanbagh, Hyderabad -500058 <b>E-mail:</b> <a href="mailto:vikas.dmrl@gmail.com">vikas.dmrl@gmail.com</a> <b>Mobile:</b> 91-9849597982
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B.Tech. (Metallurgical Engineering), IIT/Roorkee, 1980; M.Tech, IIT/ Kanpur, 1982; PhD, IIT/Madras, Visiting Scientist at Centre Des Materiaux, ENSMP, Paris, France and worked under the framework of an Indo-French collaborative research program on advanced aeroengine materials. Joined Defence Metallurgical Research laboratory (DMRL/DRDO) in 1982 as Scientist 'B' and attained Distinguished Scientist & Director position in 2017.

**Research Achievements:** He has developed expertise in the area of Fatigue, Fracture & Damage Mechanics, application software codes for testing and analysis, Life Prediction & Structure Integrity Analysis of Military Aeroengines and Weapon systems. He has made contributions to several projects related to development of materials for aerospace, armour and naval applications. He executed multi-disciplinary projects on "Development of Life Prediction Technologies for Aeroengine Components" for Indian Air Force (IAF). He developed state-of-the-art Damage Tolerance and Damage Mechanics based design philosophies and established Advanced Fatigue Test Facilities for material characterization under engine simulated conditions and advanced NDE facilities for Damage Prognostics. Among them, recent successful implementation of Life Extension programs for few transport & fighter class of Aircrafts have been a first major joint indigenous effort by DRDO within the country for IAF. published more than 100 papers.

**Awards and Honors:** His fundamental and applied research work has led to several Indian and International Patents; Awards - SAIL Gold Medal, National Research and Development Corporation's - NRDC Award, United Nation's WIPO Gold Medal for meritorious invention, DRDO's Technology Group award and Agni award for Excellence in Self Reliance; Distinguished Visiting Professorship at Indian Institutes of Science, Bangalore nominated by Indian National Academy of Engineering (INAE); Chairman, Sectional Committee of Bureau of Indian Standards (BIS) on 'Mechanical Testing of Materials' (MTD3); Fellow of INAE; Fellow of Indian Institute of Metals (IIM); Fellow of The Institute of Engineers (India), Life member of Aeronautical Society of India (AeSI) & Indian Society for Non-Destructive Testing (ISNT).

	<b>Name:</b> Prof. Vikram Reddy M.
	<b>Born:</b> 15-07-1957
	<b>FTAS:</b> TAS/2003
	<b>Address:</b> Professor, Dept. of Ecology and Environmental Sciences, Pondicherry University, Pondicherry
	<b>E-mail:</b> <a href="mailto:prof.mvikramreddy@gmail.com">prof.mvikramreddy@gmail.com</a> ; <b>Mobile:</b> 9443377987

M. Sc. Zoology (Berhampur University), Ph. D. (North Hill University Shillong), Joined as Assistant Professor NEH University Shillong, Assam than moved to Kakatiya University in 1984 as Associate Professor and shifted to Pondicherry University in 2005. As Professor Worked at ICRISAT, Hyderabad under Rock Foundation Fellowship for 2 years.

**Academic and Research Achievements:** His Main Research Interests are Entomology, Soil microarthropod and their role in soil fertility, conducted international conference, published more than 240 papers in peer reviewed journals. Guided 35 Students for Ph. D. Successfully completed 7 major research projects.

	<b>Name: Prof. Vishnuvardhan Reddy C.</b>
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	<b>Name:</b> Dr. Vithal M. <b>Born:</b> 15-07-1957 <b>FTAS:</b> TAS/2013 <b>Address:</b> Department of Chemistry, Osmania University, Hyderabad- 007 <b>Mobile:</b> 91-9849973868 <b>E mail:</b> <a href="mailto:mugavithal@gmail.com">mugavithal@gmail.com</a>
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M.Sc. (Chemistry with specialization in Physical Chemistry), Kakatiya University, 1979. M. Phil, University of Hyderabad, 1980. Ph.D. (Chemistry), University of Hyderabad, 1986 on “Hyperfine Interaction Studies on Transition Metal Borates and Maleates by Mossbauer and ESR Spectroscopy”. Joined Osmania University (Mirzapur PG centre) as Assistant Professor and since 2005 as Professor of Chemistry. Presently working as University Grants Commission-Basic Science Research Fellow (UGC-BSR) in the Department of Chemistry, Osmania University.

**Academic and Research Achievements:** Guided 18 Ph.D. students and 5 more students are working for doctoral degree. Research interests include Solid-State Chemistry/Materials Science/Nano materials. Research Collaboration with Clermont University, ENSCCF, Clermont-Ferrand, France; Chimica Fisica, Universita di Parma, Parma, Italy; C-MET, CSIR-IICT, Department of Physics, Osmania University, Hyderabad. One granted US patent to his credit. Published more than 150 peer reviewed articles, 1 book chapter, 3 books and one monograph. Total 14 research projects (Major 12; Minor 2) were successfully completed.

#### **Other Contribution:**

**Awards and Honours:** Recipient of Gold Medal (class first in M.Sc.) from Kakatiya University (1979). Received Commission of European Communities Fellowship (CEC Fellow, 1991-1992) and Selected as a Brainpool Scientist at Korea Research Institute of Chemical Technology (KRICT), South Korea (2008-2009); Elected as Fellow of Andhra Pradesh Academy of Sciences (FAPAS, 2013) and Fellow of Telangana Academy of Sciences (2014-2015). Received State Best Teacher Award by Telangana State Government in 2016.

	<b>Name</b>	:	<b>Dr. Yadav J.S.</b>
	<b>Born</b>	:	04-08-1950
	<b>FTAS</b>	:	TAS/2002
	<b>Address</b>	:	(Former Director, IICT), Indian Institute of Chemical Technology (IICT), Hyderabad-500007
	<b>Mobile</b>	:	<b>9849240801</b>
	<b>E-mail</b>	:	<a href="mailto:jsyadav@iict.res.in">jsyadav@iict.res.in</a> ; <a href="mailto:yadavfna@gmail.com">yadavfna@gmail.com</a> ,

**Academic and Research Achievements:** Director, Indian Institute of Chemical Technology (IICT), Hyderabad carried out extensive basic and applied research in organic chemistry and synthesis of over 190 complex natural products of biological relevance. Dr. Yadav specializes in the state-of-the art Asymmetric Synthesis to create new Chiral centers. He extensively utilized them very effectively in the synthesis of activities of drugs and agrochemicals having self-defensive properties against rice-blast disease, hypersensitive metabolites, anticancer, antibiotics and antifungal agents in a highly innovative manner. Excelled in creating and generating diverse chemical entities relevant to both agro and drug industry. Dr. Yadav's insightful instincts made him foresee the versatility of insect sex pheromones in Indian agro-system. He pioneered the alternative eco-friendly and environmentally safe pest control technologies in India through the application of insect pheromones as major tools in Integrated Pest Management (IPM) The pheromone application technologies include the control of pests on cotton, rice, groundnut and other vegetable crops.

**Other Contributions:** Dr. Yadav is an architect of distinction in building potential research groups with state-of- the-art facilities. He is an outstanding Organic Chemist of India. The Web of science (Science Citation Index) has referred him as the best organic chemist par excellence in the country. One hundred and ninety five students received their Ph.D degrees has more than 1100 scientific publications with 20000 citations and 60 patents.

**Awards and Honours:** Shanti Swarup Bhatnagar Award in Chemical Sciences, Honorary Doctorate from University of Rennes, France, CSIR Technology Award for Misoprostol Drug, Laureate of the 22nd Khwarizmi International Award, IROST-UNESCO, Iran; Pandit Jawaharlal Nehru National Award from Madhya Pradesh Department of Science & Technology, Madhya Pradesh; Fellowship: Fellow of Indian Science Congress; Fellow Indian Academy of sciences (FASc); Fellow of National Academy of Sciences (FNASc); Fellow, Indian National Academy of Sciences (FNA),


	<p><b>Name:</b> Dr. Yamuna Rani K.</p> <p><b>Born:</b> 15-10- 1965</p> <p><b>FTAS:</b> TAS/ 2019</p> <p><b>Address:</b> Process Engineering &amp; Technology Transfer Department CSIR-Indian Institute of Chemical Technology, Hyderabad</p> <p><b>E-mail:</b> kyrani@iict.res.in</p> <p><b>Mobile:</b> 91-9490462494</p>
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Dr. K Yamuna Rani received BTech. from Osmania University, Hyderabad (1986), M.Tech. from the IIT, Madras (1988), and Ph.D. also from the IIT, Madras (2002) in chemical engineering. She received **Dr Subba Raju memorial prize and medal** for securing first rank in M.Tech. at IIT Madras. She joined CSIR-IICT in 1990 as Scientist B, and is presently Senior Principal Scientist in the Process Engineering & Technology Transfer Department, and also Professor in Engineering Sciences in the Academy of Scientific and Innovative Research (AcSIR).

**Academic and Research Achievements:** Dr. K Yamuna Rani was awarded **German Academic Exchange Service, DAAD fellowship** during 1994-95 to carry out research in the area of advanced process control at Ruhr University, Bochum in Germany. She has significantly contributed to the areas of dynamic modeling, optimization and advanced process control of chemical and biochemical engineering systems, and also on the development and application of Artificial Intelligence (AI) to process and product modeling, optimization and control. She has guided 5 PhD students for their degrees at IIT Bombay, Osmania University, Hyderabad and AcSIR, and is currently guiding 4 PhD students. She has also supervised about 20 MTech students for their projects and 15 B Tech projects from different Universities and Institutes. She has authored two books, 6 book chapters, 53 Journal publications of repute, and 130 research papers in National and International Conference Proceedings. She is a reviewer for several international journals of repute, and has delivered several invited and plenary lectures.

**Other Contributions:** Dr. K Yamuna Rani has worked on several DST sponsored projects as Principal Investigator (PI), Co-PI and mentor in the areas of process modeling, optimization, control and design for different application systems including batch reactors, reactive distillation and crystallization systems. She has also demonstrated real time process control technology to industrial clients, and has contributed to process know how development through industry sponsored projects. She is currently handling a sponsored project with an international industrial client on modeling of solids blending operation, and a process development project for a strategic sector client. Presently, she is also involved in application of AI for material design including catalysts and solvents.

**Awards and Honors:** Dr. K Yamuna Rani is the recipient of **Kuloor Memorial Award** for the best technical paper published in Indian Chemical Engineer journal in 1990, **CSIR Young Scientist Award in Engineering Sciences** in 1999, **Award of Prolog to Discovery Project** on '**Plantwide Control Design Procedure Based on Nonlinearity and Interaction Measures**' at IICT in 1999, and **Women in Education Award** in 2017. She has received certificates of appreciation and reviewing from **ACS publications** and **Elsevier journals** several times. She has been elected **Fellow of Institution of Engineers** (2015) and **Fellow of Indian Institute of Chemical Engineers** (2020).


	<b>Name:</b> Dr. Yamuna Singh <b>Born:</b> 05-06-1957 <b>FTSA:</b> TSA-2017 <b>Address:</b> Scientist-H (Rtd.), AMD,DAE, Begumpet, Hyderabad-500 16 <b>Mobile:</b> 9441260797; 9985549472 <b>E-mail:</b> <a href="mailto:yamunasingh2002@yahoo.co.uk">yamunasingh2002@yahoo.co.uk</a> ; <a href="mailto:yamunasingh1957@gmail.com">yamunasingh1957@gmail.com</a>
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MSc-Geoscience (APS University, Rewa, MP), PhD-Geoscience (RTMNU, Nagpur): Visiting Faculty at the Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, (July 2017 onwards).

**Academic and Research Achievements:** Exploration for locating U, Th, Nb, Ta, Be, Li, REE, Y and associated mineralisation are His main interest studies discovered pegmatite-hosted rare metal and rare earth deposits in and around Kawadgaon, Bastar Craton, Central India, In addition, he also discovered: (1) Several rare metal-bearing pegmatites in Belangi area, Surguja dt., Chhattisgarh; (2) Several U and U-Th occurrences hosted in Precambrian granitoids and metamorphic rocks in Halewara-Kotmi area of the Gadchiroli dt., Maharashtra; (3) Radioactive Bijawar Conglomerate and Quartzite in Handia area, Hoshangabad dt., M.P.; and (4) Proterozoic Indravati Sandstone near Dongarsilati, Bastar dt., Chhattisgarh. Further, he also reported Radioactive Pakhal sedimentary sequence near Bangaruchilka, Khammam dt., Telangana; and REE-rich granitic soils in Darba area, Bastar dt., Chhattisgarh and Dharmawaram area, Karimnagar dt., Telangana. He identified and characterised specific granitoids hosting Y & REE minerals in Kunkuri-Raikera area, Jashpur dt., Chhattisgarh that helped in locating several similar Y & REE-bearing granitoids and xenotime-bearing placers in their vicinity in other parts of the Chhotanagpur Granite Gneiss Complex terrain. Importantly, he Characterized radioactive and other minerals associated with U, Th, Be, Li, Nb, Ta, REE, Y, ore deposits/occurrences in diverse geological settings of India, which helped immensely in planning, exploration and research for atomic minerals that are in great demand for the growing nuclear power programme of India. He pioneered in investigating X-ray crystallography and oxidation grade of polygenetic uraninites from India for elucidating genesis of Indian uranium-ores, particularly from Proterozoic sedimentary basins of India, albitite belt of Rajasthan and Rihand Valley, Central India. He discovered first Indian occurrences of five rare ore-minerals: (1) Phurcalite in Putholi quartzite of Chittaurgarh; (2) Domeykite; and (3) Koutekite (including anomalous concentration of silver) in Siwalik sandstones of Romehra, Hamirpur, HP, (4) Ianthinite in granite of Akkavaram, Nalgonda and (5) Alluaudite from Pisangarh, Ajmer.

**Other Contributions:** Published over 145 research papers peer revised journals Edited AMD's three journals, viz., Exploration and Research for Atomic Minerals Journal of Atomic Minerals Science and Smarika He supervised 2 Ph.D. students. He contributed in preparation of two bilingual Nuclear 'Glossaries' of Technical Terms. Reviewer of several international and national Journals of Geosciences.

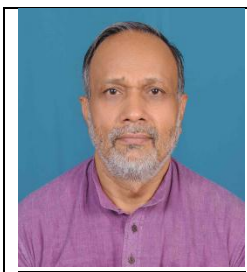
**Awards and Honors:** A recipient of many awards, namely, Prof. S.M. Ramananda Setty Award (2011), S. Narayanaswami Award (2012), JGSI Radhakrishna Prize (2017) and Hindi Sevi Samman Puraskar (2012).

	<p>Name: <b>Dr. Yella Reddy P.</b>          Born: 01-03-1963          FTAS: TAS/2015          Address: 146B &amp; 147, IDA Mallapur, Hyderabad-500076          Phone No: 91-9848819492          E-mail: Paidirr@sapalaorganics.com; paidir@netscape.net</p>
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MS. (OU-1987), joined as JRF (IICT, 1988) promoted SRF (1991), Ph. D organic chemistry NCL(Pune), where he worked on the application of photo chemistry for the synthesis of natural products. From (1995 – 1997), his post-doctoral research on the synthesis of pthalocyanines, organometallics and metal complexes for solar cells and fluorescence materials for biological applications was carried out at Nagoya Institute of Technology, Japan with Professor Takeshi Toru. From 1997-2001 worked as Senior Researcher, Aisin Cosmos R&D Co., Ltd., Japan. From 2001 to April 2017, he has worked as Director (R&D) Aisin Cosmos R&D Co., Ltd., Hyderabad Branch, India. He has played the key role for the establishment of Aisin Cosmos branch office India for the first time. He is also instrumental in carrying out Collaborative Research between Aisin Cosmos R&D Co Ltd and IICT (Govt. of India) and EPFL, Switzerland for more than 15 years. During this period mainly focused on design and development of materials for Dye sensitized solar cells and perovskite solar cells. Since Jan 2015, he is also working as Visiting Professor at University of Tokyo, RCAST, KOMABA Campus Tokyo, Japan

Dr. P.Y. Reddy has expertise in the areas of Synthetic Organic Chemistry, Photo Chemistry, Florescence materials for sensor and biological applications, Design and Development of dye and materials for Dye sensitized and Perovskite Solar cells. He has authored/co-authored over 40 publications in international journals and filed more than 30 Japanese and international patents. Delivered more than 40 invited lectures in different countries. He has been awarded the Monbusho Research Fellowship, By Ministry of Education and Culture Government of Japan, 1994; Creative researcher award for development of commercial product, Aisin Cosmos R&D Co., Ltd., 1998. He is the member of ACS since 1998, Japan chemical society, Organic Synthesis society Japan. He is a member of Academic Board of studies for M. Tech (Nano Technology) Trichy University, Tiruchinapally, Tamilnadu, India. He is a member at IICT Research foundation.

In 2005, he founded Sapala Organics Private Limited with few other enthusiastic scientific entrepreneurs from Japan and India. Sapala is furnished with modern equipment and established as a Contract Research and Contract Organization specializing in the custom synthesis of complex organic molecules in

	<p><b>Name:</b> Dr. YOGENDRA SHARMA</p> <p><b>Born:</b> 02-01-1959</p> <p><b>FTAS:</b> TAS/2016</p> <p><b>Address:</b> CSIR-CCMB, Uppal Road, Hyderabad -500007</p> <p><b>E-mail:</b> <a href="mailto:yogen.ccmb@gmail.com">yogen.ccmb@gmail.com</a></p> <p><b>Mobile:</b> 91-9908630358</p>
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M.Sc (Chemistry with specialized in Physical Chemistry), Meerut University, 1980. Ph.D. (Chemistry), Saha Institute of Nuclear Physics, Kolkata 1991. Visiting Associate, Washington University School of Medicine, St Louis, USA, 1995-1998. Joined CSIR-Centre for Cellular and Molecular Biology (CCMB) in 1988 as Scientist B, followed by various levels, and since 2012, Chief Scientist (Scientist G), and Group Leader at the CSIR-Centre for Cellular and Molecular Biology, Hyderabad (superannuated in 2019). Professor of Biology, Academy of Scientific & Innovative Research (AcSIR). Adjunct Professor, Indian Institute of Science Education and Research (IISER) Berhampur. Currently, working as National J C Bose Fellow at the CSIR-Centre for Cellular and Molecular Biology.

**Academic and Research Achievements:** Research interest in molecular biophysics and protein structure-functional analysis with emphasis on calcium-binding proteins. Published more than 90 papers and review articles in journals, contributed chapters in books and guidebooks. Guided over 10 Ph.D. students.

**Awards and Honors:** Selected for SERB-DST National J C Bose Fellowship, 2019. Elected fellows of all three National Science academies: Indian National Science Academy (FNA), National Academy of Sciences (FNASc), Indian Academy of Sciences (FASc); Indian Academy of Sciences (FASc), Founding Fellow, Telangana Academy of Sciences (TAS). Recipient of Young Scientist Award (Biological Sciences), Council of Scientific and Industrial Research (CSIR), 1992; and M. Sreenivasaya Memorial Award, from the Society of Biological Chemists (India), 2008.



**Associate Fellows**



	AFTAS- <b>Dr. Abhay Ram Bansal</b> Scientist 'C' NGRI-Uppal Road , Hyderabad – 500 007.		AFTAS- <b>Dr. Abhijit Ajit Sardesai</b> Staff Scientist Centre For DNA Fingerprinting and Diagnostics (CDFD) Bldg.7, Hyderabad 500 001.
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	AFTAS-2016 <b>Dr. P. Anand</b> Scientist Chemical Engineering Division CSIR-IICT, Tarnaka Hyderabad-500 007		AFTAS <b>Dr. Anitha Kumari</b> Lecturer, Dept. of Zoology, Osmania University College for Women Koti, Hyderabad. 500 007.
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	AFTAS-2015 <b>Dr. Ashutosh Kumar</b> Assistant Professor, NIPER ,IDPL R&D Center, Balanagr Hyderabad-5000 37		AFTAS-2017 <b>Dr. Ashish Pathak</b> Scientist, Defense Metallurgical Research Laboratory(DMRL),Kanchnabagh, Hyderabad-500058
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	AFTAS- <b>Dr. S. Bapi Raju</b> Reader, Dept. of Computer & Information Sciences, University of Hyderabad, Gachibowli, Hyderabad – 500 046		AFTAS- <b>Dr. Balakishan Gorre</b> Assistant Professor, Dept. of Chemistry, Telangana University, Dichpally, Nizamabad-503322
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	AFTAS-2015 <b>Dr. B. Bhima</b> Asst. Professor & HOD Dept. of Microbiology University College of Sciences Osmania University, Hyderabad-7		AFTAS-2015 <b>Dr. V. Bhaskar</b> Assistant Professor, School of Chemistry University of Hyderabad Gachibowli, Hyderabad-500 046
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	AFTAS <b>Dr. V. Hari Babu</b> Dept. of Physics Osmania University Hyderabad – 500 007		AFTAS-2017 <b>Dr. Yadla Hari</b> Scientist, Biotechnology Regional Agricultural Research Station (RARS), Professor Jayashankar Telangana University, (PJTS AU) , Mulugu Road, Warangal-506007
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	AFTAS-218 <b>Dr. Hari Prasad Kokatla</b> Assistant Professor, Department of Chemistry, NIT, Warangal.		AFTAS-216 <b>Dr. A. Hari Padmasri</b> Assistant Professor Department of Chemistry, University College for Women, Koti, Hyderabad
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	AFTAS- <b>Dr. Pradeepta Kumar Panda</b> Associate Professor School of Chemistry, University of Hyderabad, Gachibowli, Hyderabad -500 046		AFTAS-2017 <b>Dr. K. Praveena</b> Assistant Professor Dept. of Physics, Palamuru University, Mahabubnagar-509001
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## **TELANGANA ACADEMY OF SCIENCES (TAS)**

Telangana Academy of Sciences, erstwhile A.P. Akademi of Sciences, is a premier Science Academy in the State of Telangana. It has been plying a crucial role in promoting science in the state of Telangana for the last 55 years. This Academy promotes public awareness and understanding of sciences. It advises the Government on issues relating to Sciences, Technology including Medicine. It has been serving as a forum for interaction among the scientists in the country. Organizing Seminars, Symposia, Workshops along with annual Endowment Lectures are its regular activities.

Since its establishment, the Academy has been rendering valuable service by spreading sciences in Telangana and it could justifiably look back with pardonable pride about its pioneering contribution to the growth of Science culture in the State. It has completed 5 decade of its S&T activity with distinguished service to the cause off advancement and popularization of Science.

The Aims and Objectives of the Academy are advancement of Sciences in Telangana by providing a forum for discussing scientific papers, propagating Scientific knowledge among the people and publication of Books and Newsletter on Science.

Over the years, the activities of the Academy have gain immense value to the Scientific Community and have significantly sensitized the general public. Thanks to the extraordinary contribution and strong foundations laid by the Scientists like Dr. S. Bhagavantam, Dr. Y. Nayudamma, Dr. P. Siva Reddy, the Academy has attained its present stature.

The Academy established its chapters at different parts of the state and currently 5 Regional Centers at Nalgonda, Warangal, Kaarimnagar, Nizamabad & Hyderabad covering all Districts in Telangana State. The Fellowship of the Academy has crossed 350 comprising of eminent scientists from research, academic and industrial spheres, besides Institutional Members and Associate Members.

TAS also promotes children science activities, encourages young inventions, investigations and research in pursuit of excellence in the fields of Science and Technology. Its activities include organizing lectures, seminars, symposia popular exhibitions and programmes on overall development of society. In addition, TAS organizes Young Scientists Convention, promoting all sciences education activities, fellowships, endowments lectures awards and other benefactions.

Election to the Academy of Sciences, as Fellow is only by nomination. Up to 30 Fellows from Academy and R&D Industry are elected each year based on the nominations made by the Fellows of Academy. The Academy also has Associate members and companion Members, who are inducted annually besides Young Scientists Awardees.

In recognition of the achievements made by the Telangana Academy of Sciences in the area of advancement of sciences, the Hon'ble Prime Minister of India awarded Gold Plaque to erstwhile APAS at the 94<sup>th</sup> Indian Science Congress.

The main objective is to promote interaction between ad across the scientific community from various disciplines at national and international level, besides popularizing sciences among teachers and students. After bifurcation this first Science Congress is being organized jointly with National Institute of Technology, Warangal (NITW) at Warangal with six major Scientific Themes besides six special them Sessions, exclusive session for Young Scientist and School Teachers and Children. Distinguished Scientists of National and International repute will deliver distinguished lectures and will participate in deliberations.