



# TELANGANA ACADEMY OF SCIENCES (TAS)

Induction of New Fellows, Associate Fellows  
&  
Presentation of Young Scientist Awards - 2021  
at 10.30 a.m, on 28th April, 2023

**Venue:**

Auditorium, CSIR- Indian Institute of Chemical Technology (CSIR-IICT)  
Uppal Road, Hyderabad.

**Chief Guest**

**Prof. K. Narasimha Reddy**

Vice-chancellor, JNTUH, Hyderabad.



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Website:www.tasc.org.in



## Prof. K. Narasimha Reddy

Vice Chancellor, JNTU, Hyderabad

Prof. Katta Narasimha Reddy earned his Doctorate from Osmania University (Hyderabad). He received training in Script writing and Film Direction from Film and Television Institute of India, Pune and Advanced training in Microprocessors and Digital Electronics from Indian Institute of Science (IISc) Bangalore. He is a life member of many professional bodies and Fellow of World Innovation Foundation, Andhra Pradesh and Telangana Academies of Science.

He served as the Vice Chancellor of Mahatma Gandhi University (Nalgonda) and Palamuru University (Mahabubnagar), in the state of Telangana and presently he is the Vice Chancellor of Jawaharlal Nehru Technological University, T.S., Hyderabad.

He was the Vice President and Hon. Secretary of Andhra Pradesh academy of Sciences. He has authored over 105 scientific papers and three review articles in International journals and books on Technology and Higher Education. He has been actively involved in advancing the research activity at Osmania University and Mahatma Gandhi University. He was also coordinator of UGC-Special Assistance Program and Department of Science and Technology (Govt. of India) Funding programs at Osmania University.

Prof. Reddy has been an active educator and researcher in the fields of Condensed matter and Materials Science. He held positions as Post-doctoral and visiting Research Professor / Scientist at International Center for Theoretical Physics, Trieste (Italy), University of Rome II "Tor Vergata" (Italy), and "Elettromagnetismo dello Stato Solido" at Rome (Italy). He has published more than 105 research papers in peer reviewed international journals. 12 students got their doctoral degree under his supervision. His research publications have received numerous citations. Dr.Reddy has extensively traveled all over the world, and presented papers, given/ invited plenary lectures, chaired sessions in a number of National and International conferences (India, USA, Singapore, Malaysia, Australia, New Zealand, etc). He hosted several National and International conferences and seminars. Prof. Reddy was the Associate Editor of Journal of Pure and Applied Physics (JPAP) and Review editor of Journal of Materials Chemistry and Physics. He is closely associated with Solid State Ionics Laboratory, Southern University, Baton Rouge, Louisiana, USA and Department of Electrical Engineering and Physics, Wilkes University, Pen State, United States of America. He has organized more than Five International Conferences and Ten National conferences.

Prof. Reddy has been associated as Chairman of several teams of peer committees constituted by National Assessment and Accreditation Council (NAAC), India's premier quality assurance agency for Higher Education. He has participated in several National level meetings on Bench-Marking of Higher Educational Institutions. He participated actively in the activities of Association of Indian Universities (AIU).

After Telangana Academy of Sciences came into being, he was elected as its President and while acting as such, he was adorned with the present assignment i.e., as Vice Chancellor of Jawaharlal Nehru Technological University, T.S., Hyderabad.

## Elected Fellows of TAS -2021



**Prof. Dibakar Roy Chowdhury** is currently working as Professor of Physics, in Mahindra University, Hyderabad. He obtained his Ph.D from TU-Darmstadt, Germany in 2008. He was recipient of DAAD fellowship in 2002-2003. So far, he has guided 4 students for their PhD Degrees. He has published around 85 research papers in international journals, which includes, Science, Applied Physics Letters, Physical Review B etc. His works are cited for around 5000 times with h-index as 31. Several of his research works are highlighted in the cover pages of international physics/optics journals. He is currently fellow of institute of physics, FInstP (UK).



**Dr. Samrat L. Sabat** obtained his Doctorate degree in Electronics Science from Berhampur University, Berhampur in 2004. Currently he is working as Professor in Centre for Advanced Studies in Electronics Science & Technology, School of Physics, University of Hyderabad. He has guided Six students for their PhD Degrees. He has published more than 100 research papers in International and national Journals and conferences. He has completed five Major Projects as Principal and C-Principal Investigator. He is the recipient of University of Hyderabad Chancellor's award 2017 for contributions to teaching and research.



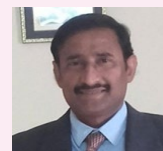
**Dr. Mendu Vishnu Vardhana Rao** obtained his M.Sc. in statistics in 1983 and his PhD in statistics in 1996 from Osmania University. He also obtained an M.Tech.(IT) from Punjabi University in 2003. He is currently working as Director of the ICMR-National Institute of Medical Statistics, MoHFW, New Delhi. He has published more than 125 research papers in national and international Journals. He has 33 years of research experience in planning and conducting of large-scale health and nutrition surveys. His expertise is in statistical modelling, Multivariate data analysis, big data and Data science. He has supervised 3 scholars for their Ph.D. Degrees. He was the recipient of FSMS fellow and NAMS oration award...

**Dr. G. APPA RAO** Outstanding Scientist & Associate Director, Dirte. of Advanced Materials and Manufacturing Processes (AMMP) at Defence Metallurgical Research Laboratory, Hyderabad. Dr. Appa Rao obtained his Ph.D from Banaras Hindu University, Varanasi during 2002 and Bachelors Degree from Andhra University, Visakhapatnam during 1986 in Metallurgical Engineering. He has joined DMRL/DRDO during 1987 and over the years, he acquired considerable expertise in the field of Powder Metallurgy and Isostatic Pressing Technology and made outstanding contributions to the establishment of indigenous technologies for manufacture of critical components for defence and other strategic applications. He has established the state-of-the-art CIP-Technology for the first-time in the country to manufacture high quality ceramic radar-radomes for missiles. He published 50 papers in national/international journals, 40 in-house Technical and 3-patents in his credit. Dr. Appa Rao is the Fellow of Indian Institute of Metals and life member of (i) Powder Metallurgy Association of India (ii) Magnetic Society of India. He is the recipient of: (a) DRDO Scientist of the year Award 2018 (b) Technology Group awards-2018 and 2005 (c) Laboratory scientist of the year Award 2007 (d) Prof. GS Tendulkar Award 2010 (e) DMRL- best Technical paper awards 2006 and 2022 (f) The best P/M product awards from PMAI during 2005, 1998 and 1992.



**Prof. Adepu Kumar** is a distinguished Professor of Mechanical Engineering at the National Institute of Technology Warangal. He obtained his Ph.D. degree from Osmania University in 2008. Throughout his career, he has supervised 14 Ph.D. students and authored 120 research papers published in renowned international journals. He has successfully completed 5 sponsored research projects and received multiple awards in recognition of his outstanding contributions to the field of Advanced Manufacturing Processes notable among them is 'IIM SAIL Gold Medal' in 2018. In 2019, Prof. Adepu Kumar was honored with the Best Researcher and Best Faculty awards by NIT Warangal. He has also been the recipient of the Distinguished Alumnus Award from KITS-Warangal in 2019. He is a fellow of the Institution of Engineers and a life member of the Indian Society for Technical Education and Indian Welding Society.

**Prof I Sreedhar** has done B.Tech in Chemical Engineering from R.E.C Warangal (Merit Scholarship), M.Tech from IIT Delhi and Ph.D from BITS Pilani. He has more than 25 years of experience in industry, academics and research. He has 77 high impact international journal publications, 4 book chapters, 1 patent, 54 conference proceedings besides a research funding of nearly 2 crores from various agencies. He is a Fellow of Royal Society of Chemistry, Fellow Institute of Engineers India and a Life member of IChE. He featured in Top 2% of World's Top Scientists as per the data curated by the Stanford University. Ten scholars have done or pursuing PhD under his guidance besides many ME dissertations, BE Theses and projects.



**Dr. Sumana Chenna** has nearly 23 years of research experience and is currently working as senior principal scientist in the department of Process Engineering and Technology Transfer of CSIR-IIT, Hyderabad. She has acquired B.Tech. from Osmania University, M.S. from BITS, Pilani and Ph.D. from IIT, Bombay in chemical engineering discipline. Her research areas include process modelling, optimization, design, scale up of heterogeneous catalytic processes. Also, she is working towards developing of Artificial Intelligence models for the design of catalysts, CO<sub>2</sub> sorbents, hybrid materials etc. Further, she is working on clean hydrogen production and chemical looping processes with inherent CO<sub>2</sub> capture. She has received several awards, transferred about 10 technologies to industries, published more than 30 publications in reputed high impact international journals, and more than 60 presentations in prestigious international conferences as well as 5 book chapters.

**Dr. Srinivas Kantevari** received his Ph. D in Organic chemistry in 1996 from the Indian Institute of Technology (IIT)-Delhi. He is currently working as Senior Principal Scientist in the Fluoro & agrochemicals Division, CSIR-IIT, Hyderabad. He is also professor in Academy of Scientific & Innovative Research (AcSIR), Ghaziabad. He was NIH research fellow (2001-03 and 2007-08) at Drexel university, college of Medicine, Philadelphia, USA. During his 26 years tenure at IIT, he has completed 31 industry and academic research projects and formed international collaborations with Institute of molecular biosciences, University of Queensland, Australia and Influenza Research Institute, St-Petersburg, Russia. Dr. Kantevari has over 140 research publications to his name, as well as 5 patents. He is currently mentoring six students for Ph.D. degree and has graduated twelve Ph.D. students, and has trained 42 dissertation students. He delivered >50 invited lectures in India and abroad. He was named to Stanford University's list of the world's top 2% scientists.



**Mavurapu Satyanarayana** obtained his Ph.D. from JNU-CDRI in 2004 and his MSc from KU in 1999. He is the recipient of the NCI post-doctoral fellowship at Rutgers University, New Jersey, from 2004-09. He has worked as a Deputy Manager at Dr. Reddy's Laboratories and as a Senior Scientist at GVK Biosciences. He has 24 research articles published in international journals and 12 patents to his credit. He has guided 2 students for the Ph.D. degree and completed 2 research projects. He is a recipient of several awards & fellowships. He is currently working in the Department of Pharmaceutical Chemistry, TU.

at the University

**Dr. K. Muralidharan** obtained his Ph.D. in Chemistry from the Indian Institute of Technology (IIT) Kanpur in 2003. He is currently working as a Professor at the School of Chemistry, University of Hyderabad. He worked as a postdoctoral fellow of Idaho, Idaho, USA, Southern Methodist University, Texas, USA, and the Indian Institute of Science, Bengaluru. He has guided 11 students toward their Ph.D. Degrees. He has published 63 research papers in International and national Journals. He has completed projects from DST, SERB, CSIR, and DRDO. His research area includes Inorganic/Nanomaterials/Polymers/Catalysis/High-energy Materials.



**Dr. Sounak Roy** obtained his PhD degree from Indian Institute of Science Bangalore. After his post-doctoral stints in ETH Zurich and University of Pennsylvania, Dr. Roy joined BITS Pilani Hyderabad Campus, where he is currently working as an associate professor in the Department of Chemistry. His primary research area of interest is solid state catalytic materials for sustainable energy and environment. Dr. Roy has published more than 75 papers in reputed journals, which have been very highly cited.



**Dr. Krishnaiah Atmakur** received his Masters and Doctoral degree from Osmania University, joined Indian Institute of Chemical Technology (CSIR-IICT) as Scientist – B and rose to the present position of Chief Scientist. Over 33 years of research career, he gained the expertise in basic & applied research. In the basic sciences, he has involved in design and synthesis of novel polysubstituted fused heterocycles as possible cytotoxic / antimicrobial/antibacterial/antitubercular and agrochemical agents through novel methodologies. He has published 36 research papers in peer reviewed journals, guided 4 Ph D's and executed 3 DST grants and also several invited talks. In the applied sciences, Dr. Krishnaiah involved & coordinated the market driven agrochemical projects and developed the process technologies for various products i.e. NaTCP, Trichlopyr, Saflufenacil, DTPA, Ethiprole etc. and the said technologies were transferred to Indian agrochemical industries. He has 2 patents to his credit.

**Dr. Anil Kumar Pasupulati** obtained his Ph.D. from Osmania University (NIN) in diabetic cataracts. He did a postdoctoral fellowship at the University of Michigan (2008-11) in diabetic nephropathy. He was INSPIRE faculty at Dept. Biochemistry, Osmania University & NIN (2012-14). He is an Assistant Professor in the Dept. Biochemistry, University of Hyderabad from 2014. Anil's research emphasizes understanding the pathobiology of glomerular diseases in the setting of diabetes. Anil was awarded Wellcome-DBT ECF in 2012 (not availed), IUBMB-Wood-Whelan Research Fellowship (2014), and Dr. Yallapragada Subbarao Gold Medal (2019), and Chancellor Award (2022) from the University of Hyderabad. Anil supervised 6 PhDs and has completed ten major research projects to date. He is the Associate Editor of Frontiers in Medicine and Guest Editor of Nephrology.



**Dr. Insaf Ahmed Qureshi** is currently working as Assistant Professor in Dept. of Biotechnology & Bioinformatics, School of Life Sciences, University of Hyderabad, Hyderabad. He has published more than 70 research papers in international and national journals. His group has received extramural research grants from various funding agencies like SERB, ICMR, CSIR etc. He has been the recipient of several awards and fellowships including ICMR Award (2010), Indo-US Raman Fellowship (2014), ICMR International Fellowship (2018) etc. He is also conferred with the life membership by National Academy of Sciences, India (NASI) and National Academy of Medical Sciences (NAMS).

**Dr. A. Venkateshwari** obtained Ph.D. in Genetics from Osmania University in 1998. She is working as Professor at Institute of Genetics and Hospital for Genetic Diseases, Osmania University, Begumpet, Hyderabad. Till date, she has published 123 research papers in peer reviewed journals and guided 8 students for their Ph.D. degree. She is a recipient of major research grants from UGC (2009-12, 2010-13) and DBT (2009-14, 2010-13, 2012-17, 2018-21, 2019-23, 2020-25). She has received ICMR International Fellowship award for her Postdoctoral research at University of South Alabama, USA. She is instrumental in introducing teaching courses for the first time at Institute of Genetics viz Postgraduate Diploma Program in Genetic Counseling and M.Sc. Molecular & Human Genetics. She is a reviewer of 7 SCI Journals. She contributed significantly in screening of around 6,000 cases for Chromosomal abnormalities by Cytogenetic studies and novel findings were identified. Prenatal diagnosis was performed in around 180 high risk pregnant women for the early detection of genetic syndromes in the first trimester. Supervised around 200 graduate and postgraduate students of various colleges/institutions for their project dissertations and training provided to around 40 medical professionals (MD in Biochemistry and Pathology) deputed by reputed Osmania, Gandhi and Niloufer hospitals. She is a life member of ISHG, ISG, OWSD and ISC.



**Dr. Aravind K Jukanti** is currently working as Principal Scientist (Plant Breeding) at ICAR-Indian Institute of Rice Research, Hyderabad. He obtained his Ph.D in 2005 from Montana State University, USA in Wheat Genetics. He worked as a Post-Doctoral Fellow at Montana State University, USA (2005-07) and at Donald Danforth Plant Science Center, St Louis, USA (2007-08). Later, he joined as Special Project Scientist at ICRISAT, Hyderabad and worked from 2010-2012. He joined ICAR in 2012 at ICAR-CAZRI, Jodhpur as a Senior Scientist and joined ICAR-IIRR in 2017. So far he has published 45 research papers mostly in international journals. He has so far guided 3 PhD students and 4 MSc students. He has successfully completed projects funded by DBT, IRR - Philippines, CIMMYT, Mexico etc.

**Prof. G. Shamitha** obtained her Doctorate degree in the area of Tasar Silkworm Physiology from Kakatiya University, Warangal in 1998. Currently she is working as Professor in Zoology and Dean, Academic Audit, Kakatiya University. She has also served as Head, Department of Zoology and Director, Women's Study Centre and Chairperson Board of Studies for Zoology, Sericulture, Biochemistry and Environmental Sciences at Kakatiya University and Programme Officer, NSS- Science and Women wings. She has completed 05 Major Research Projects and guided 04 Ph.Ds and mentored PDF. Her research area is Tasar Seri-biotechnology. She has published 64 research papers in national and international journals and authored 10 books/chapters. She is the Life Member of Indian Science Congress and Zoological Society of India. She has received Best NSS Programme Officer award and Congress of Zoology Medal from ZSI. She has successfully conducted 12 national seminars and coordinated several invited talks and lectures.



**Ashok Kumar** Are obtained his Ph D from Division of Genetics, Indian Agricultural Research Institute, New Delhi and completed certification courses in Data-driven decisions, Product Management and Leading the Organization from the Stanford University, University of California, Berkeley, and University of Queensland. Currently he is working as Director, a.i. Regional Program –Asia, Cluster Leader – Seed systems, and Product Placement Lead -Asia at the International Crops Research Institute for the Semi-arid Tropics (ICRISAT), India. He has >23 years of research experience in genetics, plant breeding for developing improved breeding processes and market-preferred cultivars in various crops, particularly the sorghum and castor that resulted in release of more than 100 cultivars in 15 countries. Deploying data-driven decisions in breeding is one of the core areas of his work. Since 2006, his major focus is on modernizing the breeding programs, developing innovative approaches that enhance rate of genetic gain in crops for various end uses and in developing innovative seed systems for rapid replacement of farmers' varieties. He is currently providing vision and operational plans for the Regional Program -Asia that works with three global research programs at ICRISAT in co-designing and co-creation of new knowledge, products and technologies and their dissemination. He led the projects on biofortifying sorghum with higher grain Zn and Fe and developing sorghums amenable for first (1G) and second generation (2G) bioenergy production besides forage sorghum. He served as an International Consultant to the Food and Agricultural Organization (FAO) and International Atomic Energy Agency (IAEA) of the UN in Sudan, Namibia, and Austria. He has guided 10 Ph D students and published 98 journal articles, 45 book chapters, 50 conference papers and co-authored 8 books.

**Dr. Prakash Kumar** is currently serving as Director of CSIR-National Geophysical Research Institute. He received his B. Sc degree from University of Calcutta, M.Sc (Tech) from the Indian School of Mines, Dhanbad and PhD degree from Osmania University, Hyderabad. He is the recipient of various awards and recognitions such as CSIR-Young scientist award, Krishnan Gold medal from Indian Geophysical Union, National Geoscience Award, Anni Talwani Memorial Prize. He was the visiting researcher at GeoForschungsZentrum (Germany), Earthquake Research Institute (University of Tokyo, Japan), IGP (Paris) and Institute of Physics of the Earth (RAS, Moscow). Dr. Kumar published 61 research papers in peer-reviewed journals including Nature, Science, Nature Geoscience and PINAS. He has also co-authored one book.





**Dr. D.K. Sinha** joined AMD in 1984 after completing M.Tech in Applied Geology. He obtained Ph.D in 1993 from Nagpur University. He has been associated for more than 38 years in various positions with the exploration for uranium deposits in the important geological domains of the country. As a Post Graduate Teacher, he has mentored the Trainee Scientific Officers of BARC Training School, AMD Campus. Besides, he has been recognised as an external supervisor for Ph.D. by Nagpur University, Rajasthan University, Jaipur and Osmania University, Hyderabad. He has served as the Director, AMD till 2022. He has been recognised by the Department in 2012 by conferring upon him "Special Contribution Award-2011" for valuable services in the field of Nuclear Science & Technology and to the programme of the DAE. Dr. Sinha has also been conferred with "AEG-Sriram Srinivasan Award – 2020" of Association of Exploration Geophysicists. Recently he has been awarded "Homo Bhabha Science and Technology Award" by DAE in 2020. Dr. Sinha has published three (03) books and more than 120 research articles in various National and International journals and conferences.

**Prof. Veeraiah Boylla** obtained his Ph.D. in Geophysics from Osmania University (OU), Hyderabad (2005). Currently, he is Professor of Geophysics, and Principal at University College of Science, OU. He participated in 10 nationally important projects as a scientist at CSIR-NGRI (1999 - 2013). He is Life Member at Society of Petroleum Geophysicists, Association of Exploration Geophysicists, Indian Geophysical Union, and Indian Science Congress Association. He served as Joint Secretary (2014-2015), Vice-President (2020-2022) for Society of Petroleum Geophysicists, Hyderabad Chapter; and as EC Member - Association of Exploration Geophysicists (AEG), India. Prof. Veeraiah has 30 research publications in national and international journals, a book, and a book chapter to his credit. Four scholars have been awarded doctorates with eight students working towards Ph.D., under his supervision.



**Dr. Nimisha Vedanti** received an M.Sc.Tech in Exploration Geophysics from Banaras Hindu University, India, and Ph.D. from Osmania University, Hyderabad, India, while working at CSIR-National Geophysical Research Institute, India. She held a postdoctoral position at the University of Texas at Austin, USA, and worked as a CSIR-Raman Research Fellow at the Department of Geoscience, University of Calgary, Canada. Presently she is Senior Principal Scientist and in-charge of the Shallow Seismic Group at CSIR-NGRI and is working on the exploration of Shale gas & CBM in the Gondwana basins and the Geological Sequestration of CO<sub>2</sub> in Deccan Volcanic Province and Damodar River Valley basin of India. She is also a Professor at the ACSIR-NGRI. Dr. Vedanti is a recipient of many awards, like the National Geoscience Award and the CSIR-Young Scientist Award. She is a Fellow of the Indian Social Science Academy. SEG, USA, has selected her as the Honorary Lecturer for South and East Asia in 2021. She has published over 60 research papers including a book published by Elsevier. She is an Associate Editor of the journals 'Geophysical Prospecting' and the 'Journal of Applied Geophysics'.

**Dr. THATIPARTI VIJAYA LAKSHMI** is an Associate Professor and Head Centre for Environment, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad (JNTUH) India. She received her master's degree in Environmental Chemistry and Ph.D. in Environmental Science & Technology from JNTUH. Thatiparthi VL has published about 45 research papers, co-authored three books and guided 70 post-graduate students and 10 students for Ph.D program. Thatiparthi VL, has received international fellowships to participate in training programs at TWAS, Italy (2015), NC State University, USA, (2014) 58th UNEP/ UNESCO /BMU fellowship, Germany(2012), M/S PROGIS GmbH, Villach, Austria, (2009), The Royal Netherlands Fellowship (NuFFIC), (2009) and Berkner Fellowship, USA and is alumni of CIPSEM, Dresden University, Wageningen, Netherlands. She has completed DST sponsored major research project. Presently she is coordinator of DST Satellite Policy Research Centre in Geospatial Technologies for Environment and Sustainable Development.



**Prof. Y Srinivas** obtained his Masters degree in 1993 and doctorate degree in 2000 in Geophysics from Osmania University, Hyderabad. Presently working as Professor and Head, Centre for Geotechnology, Manonmaniam Sundaranar University, Tirunelveli, TN. He is the life member of Indian Science Congress Association, Indian Geophysical Union and Association of Hydrologists of India. He is Fellow of Indian Geophysical Union. He has guided 8 students for their PhD Degrees. He has published 75 research papers in International and national Journals.

**Prof. R. Mallikarjuna Reddy** is currently serving as Professor and Head, Department of Geology and Co-ordinating officer, UGC-Unit, Kakatiya University. He obtained his Ph.D in Geology from Kakatiya University in 1999 and published 23 research papers. He received "National Water Awards-2018", all India 1st prize for his Rain water harvesting project (construction and impact studies), on behalf of Kakatiya University under the best institution for successful campus water usage from the Ministry of water resources, Govt. of India. Also received "Telangana Water Conservation Award-2021" for his Rain water harvesting project (construction and impact studies), on behalf of Kakatiya University in the category of Best Govt. & Pvt. Institution from the Telangana Water Resources Development Corporation, Govt. of Telangana. He presented his research papers in the international conferences held in Taiwan, Australia, Singapore, USA, South Africa, Vietnam and Austria.



**Dr. Usha Dutta** is a DAAD fellow and received her PhD from Martin Luther University, Germany. She is currently working as a Cytogeneticist at the Centre of DNA Fingerprinting and Diagnostics (CDFD), Hyderabad. She is the Treasurer of Indian Society of Human Genetics (ISHG) and General society for Genetic Society of Hyderabad. She has presented many papers nationally and internationally and has more than 35 publications in international journals to her credit. She is a Reviewer for many journals. She also has a chapter in a Genetic Book and published a book titled "Essentials of Cytogenetics and Molecular Cytogenetic laboratory testing". She is also NABL Assessor for ISO 17025:2012. She is also a NABL Assessor.

**Dr. N. Shankaraiah** was awarded his PhD from Kakatiya University in 2007 and carried his doctoral work at CSIR-IICT, Hyderabad. Currently, he is working as Associate Professor, HoD, Department of Chemical Sciences and holding the Controller of Examinations position at NIPER-Hyd. He is a recipient of OPPI Young Scientist Award in 2010. Past two years, he is featured in the list of top 2% scientists world-wide. He has guided 18 PhDs, 120 MS students and published more than 170 research articles in reputed international journals, 5 patents granted and has 4726 citations, h-index 40 till date.



**Dr. Vijay Kumar Kutala** obtained his Doctorate in Biochemistry from Osmania University in 1993. Currently, he is working as an Additional Professor of Biochemistry at Nizam's Institute of Medical Sciences, Hyderabad. He is also the Chairman of the Telangana State Allied & Healthcare Council. Dr Kutala is also a Fellow of the National Academy of Medical Sciences, New Delhi and the Indian Academy of Biomedical Sciences. He has published 180 research papers in International and national Journals of repute with over 10,000 citations, authored 11 book chapters with an h-index of 51. He has 30 years of research experience and guided 13 PhD students. Dr Kutala was a visiting Research Scientist at Ohio State University, Columbus Ohio, USA from 2003-2007 and was awarded James V Warren Outstanding Research Award in 2004, by Ohio State University. Also, he has received multiple research grants from DST, DBT, ICMR, DHR, Government of India.

**Dr. Yellu Narsimha Reddy** obtained his Ph.D from Kakatiya University in 2004. Currently he is working as Profesor & Dean, Faculty of Pharmaceutical Sciences, Kakatiya University, Warangal. He is a life member of Professional bodies like IPA, APTI, IPS, IPGA, STOX. He guided 33 students for their Ph.D degrees. He published 134 research papers in National and International journals. He has completed 05 major research projects. He has 26 years of teaching and research experience.



**Chittaranjan Patra** received his Ph.D. from CSIR- National Chemical Laboratory, Pune in 2003. He is the recipient of Ramanujan Fellowship. Currently, Dr. Patra is working as Senior Principal Scientist at CSIR-Indian Institute of Chemical Technology. His research group is pursuing various translational nanomedicine research projects. He has 129 peer-reviewed publications in high impact international journals (Google citations: 8612, h-index:50), 33 book chapters and 7 patents (granted/Filed) to his credit. In the recent global survey conducted by Stanford University, USA, Dr. Patra's name has been highlighted as "World Top 2% most cited Scientists" in the area of Nanoscience and Nanotechnology.

## Elected Associate Fellows of TAS -2021



- 1 Dr. Anil Gaddameedi  
Building No 305, Room No 102,  
ICRISAT, Patancheru, 502324.



- 2 Dr. G. ANIL KUMAR  
Assistant Professor  
Sreenidhi Institute Of Science And Technology,  
Ghatkesar, Hyderabad - 501 301.



- 3 Dr. U. Appala Naidu  
Assistant Professor,  
Department Of Chemical Engineering,  
B.V. Raju Institute Of Technology (UGC-Autonomous),  
Narsapur, Medak Dist. - 502 313  
Telangana, India



- 4 Dr. Aravind Kumar Rengan MBBS, M.Tech, PhD,  
Associate Professor,  
Dept of Biomedical Engineering,  
BM 205, BTBM Building,  
IIT Hyderabad, Kandi, Sangareddy,  
Telangana - 502284



- 5 Dr. AVULA SRINIVAS.  
Associate Professor, Department Of Chemistry.  
Vaagdevi Degree And PG College. Kishan Pura  
Hanamkonda Telangana 506001



- 6 Dr. Boda Ravi Kiran  
Postdoctoral fellow  
Bioengineering and Environmental Sciences Lab, DEEE  
CSIR-Indian Institute of Chemical Technology (CSIR-IICT)  
Tarnaka, Hyderabad-500 007



- 7 Dr. B. Rama  
Assistant Professor  
Dept. Of Computer Science, Kakatiya University,  
Hanamkonda-506009



- 8 Dr. Naveen Chella,  
Assistant Professor,  
Dept. of Pharmaceutical Technology (Formulations),  
Niper, Guwahati, Silakhatmur, Changsari,  
Guwahati, Assam, India- 781101



- 9 Dr. Chelleti Srinivasu  
Asst. Professor,  
Dept. of Physics & Chemistry  
Mahatma Gandhi Institute of Technology, Gandipet,  
Hyderabad



10. Dr. Himanshu Aggarwal  
Assistant Professor  
Department Of Chemistry, BITS-Pilani,  
Hyderabad Campus, Shameerpet, Hyderabad 500078,



11. Dr. Jada Shanker  
Assistant Professor Of Physics  
Dept. of Physics, St. Peter's Engineering College,  
Maisammaguda, Medchal, Hyderabad - 500100,



- 12 Dr. K. SAIKRISHNA  
Asst. Professor (P)  
Department of Geology,  
Kakatiya University, Warangal, Telangana, INDIA-506009.  
Ph:9505222027



- 13 Dr. K. OMKAR  
Assistant Professor  
Department Of Botany  
Kakatiya Government College  
Hanumakonda, Telangana



- 14 Dr. Kasula Kiranmayee  
Assistant Professor  
Dept. of Biotechnology  
Telangana University, Nizambad



- 15 Dr. Kota Srinivas  
Scientist, Plant Science And Agrotechnology Division,  
CSIR- Indian Institute Of Integrative Medicine Jammu,  
Jammu And Kashmir-180001



- 16 Dr. Madala Subramanyam  
Assistant Professor,  
Dept. of Chemistry, SR & BGNR Govt.  
Arts & Science College Khammam-507002.



- 17 Dr Mahesh Damodhar Mahendrakar  
Associate Scientist, Accelerated Crop Improvement,  
ICRISAT, Hyderabad-502324  
House No: 1-1-33/7, Bhagawatiguda Colony Budwel  
Rajendranagar-500030



- 18 Dr. Mangal Deep Tuti  
Senior Scientist (Agronomy),  
Agronomy Section,  
ICAR-Indian Institute Of Rice Research,  
Rajendranagar, Hyderabad-500030



## Elected Associate Fellows of TAS -2021



19 Dr. P. Muralidhar Reddy  
Assistant Professor  
Dept. of Chemistry, Osmania University  
Hyderabad-500007,



20 Dr. T. Nagaiah  
Assistant Professor  
Department Of Mathematics  
University Arts & Science College  
(Kakatiya University)  
Subedari, Hanamkonda, 506001.



21 Dr. P. NAGARAJU  
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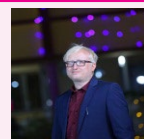
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**Dr. Jada Shanker** is currently working as Assistant Professor of Physics at St. Peters Engineering College, Hyderabad, Telangana, India. He has qualified Telangana State Eligibility Test. He has obtained his Ph.D. in Physics from Osmania University, Hyderabad, Telangana, India in the year of 2020. His thesis entitled "Investigation of electrical and magnetic properties of  $\text{ACr}_{0.5}\text{Fe}_{0.5}\text{O}_3$  perovskite nanoparticles. During his Ph.D, he received various fellowships (University with Potential Excellence fellowship (JRF) from 11-11-2013 to 04-09-2015, Basic Science Research fellowship (JRF) from 05-09-2015 to 31-03-2016, and Rajiv Gandhi National Fellowship (JRF from 01-04-2016 to 31-03-2018, SRF from 01-04-2018 to 25-11-2020) from University Grants Commission, New Delhi, India to carryout research work. He has significant contributions in the form of research publications in field Nanomaterials. He has published 19 peer reviewed research papers in various Journals and published 3 Indian patents. He has authored for research book entitled "structural, electrical and magnetic properties studies of perovskites". He has presented 26 papers in National and International conferences. He has received Best Paper Award in NSMMA-2016. He has received Star Researcher Award from KG Reddy College of Engineering and Technology, Hyderabad, India in 2021. Dr. Shanker is a reviewer for Journal of Alloys and Compounds (Elsevier) and Journal of Optics (Elsevier). He is a life member in various societies like MRSI, MSI, ISC, IAPT.

**Dr. Arelli Vijaya Lakshmi** completed her bachelor's (2014) and Master's (2016) degree in Chemical Engineering and achieved her Doctorate (2022) in Engineering Sciences from Academy of Scientific and Innovative Research (AcSIR), CSIR-IICT, Hyderabad. Dr. Vijaya Lakshmi began her research career by joining as a project associate in the Department of Energy and Environmental Engineering under the supervision of Dr. A. Gangagni Rao, Chief Scientist. During her tenure as a project associate, she had not only extensively worked on anaerobic digestion of organic wastes in the laboratory but also gained knowledge on the practical design and operation of the biomethanation plants in field as a part of the sponsored project by Indo-US Science and Technology Forum (IUSSTF) and Department of Science and Technology (DST), Govt. She has then successfully secured prestigious "CSIR- Senior Research Fellowship (SRF)", for 3 years in 2019 and enrolled for Ph.D. Her Ph.D. thesis on "Solid State Anaerobic digestion of Organic Wastes for the generation of Improved Methane in Biogas" has resulted into a technology suitable for commercialization. Within short span of 7 years, her contributions in the field of waste management, treatment and the generation of biogas and value-added products are remarkable. In addition to her research work, she has immensely contributed to the commercialization of a biogas technology based on "Anaerobic Gas lift Reactor", developed and patented by CSIR-IICT. There are about 30 commercial biogas plants operational across India from capacities ranging from 250 kg/day to 10 ton/day. One of the recent achievements is the appraisal of the Bowenpally biogas plant by the Honorable Prime Minister of India in his Mann ki Baat. CSIR has bestowed the team working on this technology with "CSIR Technology Award 2021 – Certificate of Merit", and Dr. Vijaya Lakshmi is one of the active members of the group. Dr. Vijaya Lakshmi has 15 research publications, 5 book chapters and 2 Industry articles to her credit. She is also a co-patentee for the 3 filed patents. Currently, Dr. Vijaya is working on an extremely important project sponsored by BPCL R & D Centre wherein her endeavour is to develop a robust technology suitable for the treatment of lignocellulosic biomass and generate compressed biogas.



**Dr. Thokala Swetha** is currently working as a Senior Project Associate (SPA) at the Polymers and Functional Division, CSIR-Indian Institute of Chemical Technology (CSIR-IICT), in Hyderabad, India. She was awarded her Ph.D. in Chemical Sciences from CSIR-IICT, Hyderabad, in 2018 under the supervision of Dr. Surya Prakash Singh. After that, she worked as a Research Associate at the School of Chemistry, Central University of Hyderabad (HCU). Later, she got the prestigious National Postdoctoral Fellowship (N-PDF) from DST-SERB. She completed her postdoctoral studies as N-PDF Fellow at Indian Institute Technology-Kanpur (IIT-K) with Prof. Ashish Garg. Dr. Swetha's research mainly focused on developing metal and metal-free light harvesting materials for various photonic applications. Her research work resulted in 23 research articles and three book chapters in various rep

**Dr. Phani Kanth Jogam** is working as a CSIR-Research Associate in the Department of Biotechnology at Kakatiya University. He is developing male sterile plants to produce hybrid seeds using genome editing tools like CRISPR/Cas9. He did his Ph.D. on "Genome editing using CRISPR/Cas9 technology for engineering TMV resistance in *Nicotiana tabacum* L." and developed virus-resistant plants. He has published 35 articles and 06 book chapters in reputed international journals. His publications have been credited with 635 citations with 19-i10 and 15-h index. He received two prestigious postdoctoral fellowships for his academic credit, i.e., CSIR-Research Associate and UGC-Dr. D.S. Kothari Postdoctoral Fellowship (Higher). His research work was presented at international and national conferences and received the best presenter awards. He underwent training in reputed research institutes like DBT-CIAB and DBT-NABI. He is a member of several reputed societies in India and abroad. He was selected and participated in several workshops sponsored by DST, DBT, and UGC. He has developed in vitro propagation and genetic transformation protocols in various medicinally important plants. He is an active reviewer in various international journals. His research areas of interest are genome editing, genetic engineering, and plant tissue culture.



**Dr. A.V. Satya Kumar** is currently working as a Scientist at Gravity, Magnetic, and Paleomagnetic studies group, National Geophysical Research Institute (CSIR-NGRI) in Hyderabad, India. He was post-doctoral fellow at Henan University of Technology, Zhengzhou, Henan, China on Deciphering the deep sub surface structure of South China Sea using satellite gravity data. He has worked as a project scientist at CSIR-Geophysical Research Institute, Hyderabad, India, and visiting Research Fellow at Shanghai Astronomical Observatory, Shanghai, China. He obtained his Ph.D. from Andhra University, Visakhapatnam & CSIR-National Geophysical Research Institute, Hyderabad, India. His research interests are Satellite Geodesy, Gravimetry, Planetary Geosciences, Remote Sensing, Structure, Tectonics, Paleomagnetism, Rock magnetism, and Magneto-stratigraphy. He has been active in research projects on both Earth and Moon and published 11 articles in peer-reviewed also made more than 20 presentations at various National and International conferences. In addition to the research publications,

he has been working collaboratively with scientists/professors throughout the globe on different projects. He is the recipient of the CLSE Summer intern program (2019), Lunar and Planetary Institute and JSC, NASA, Houston, TX, USA, CSIR-Senior Research Fellow (2019), New Delhi, India, Pratibha Award (2014), Government of Andhra Pradesh, Travel Grant Award (2013) to attend the international conference and SEG annual meeting held in Houston, TX, USA, Gold Medal (2014) from Andhra University and also received University merit certificate and state level merit certificates. He worked as a Student Event Manager of the SEG Student Chapter, Andhra University from 2012 to 2014 and Secretary of SEG, SPG, IGU- NGRI Student Chapter (2017-18). He is also a member of several societies.

**Dr. Andugulapati Sai Balaji** is currently working as a Scientist in the Department of Applied Biology, CSIR-Indian Institute of Chemical Technology (CSIR-IICT) in Hyderabad, India. Dr Andugulapati Sai Balaji is a well-trained scientist in the field of cancer biology, stem cell technology, and biomarker identification. His work on cancer stem cells helped elucidate the role of AMPK signalling in regulating cancer stem cells, epithelial to mesenchymal transition, and drug resistance, as evidenced by his international journal publications. His contributions to the development of patient-derived primary cancer cells, and organoid and spheroid cultures from breast and oral cancer tissues helped greatly to understand the disease mechanisms and identify the targets for drug discovery programs. He did PhD at the Indian Institute of Science, Bangalore then worked in Strand life science (Bangalore) and Aurigene Discovery in Hyderabad. He has developed a diagnostic kit to identify early-stage cancer mutations using liquid biopsies as non-invasive samples. He has good exposure to IND enabling studies of test molecules and is experienced in assessing the efficacy of the test compounds in clinical phase samples. He received the Best M. Pharma thesis Award in 2012 and the Young CSIR-IICT award in 2022. Currently, he is working on Cancer and cancer-associated fibrosis and inflammatory disorders. He has published nearly 35 articles in well-reputed international journals and currently mentoring three PhD students in CSIR-IICT.

