



INDIAN ACADEMY OF SCIENCES
announces newly elected
Fellows & Honorary Fellow for 2019

FELLOWS



Anurag Agrawal
CSIR-Institute of Genomics and Integrative Biology, Delhi
Research Area: Pulmonary Disease, Intelligent Systems



Nissim Kanekar
National Centre for Radio Astrophysics, Pune
Research Area: Galaxy Formation and Evolution, Fundamental Constant Evolution, Interstellar Medium of Galaxies



Mohammad Z. Ashraf
Jamia Millia Islamia, New Delhi
Research Area: High-altitude Medicine, Translational Biology, Cardiovascular Biology



Rupinder Kaur
Centre for DNA Fingerprinting and Diagnostics, Hyderabad
Research Area: Yeast Molecular Biology and Genetics, Candida Pathogenesis, Host-Pathogen Interaction



Shalabh Bhatnagar
Indian Institute of Science, Bengaluru
Research Area: Stochastic Approximation Algorithms, Optimization and Control of Random Dynamical Systems, Applications in Autonomous Systems, Smart Grids, Wireless and Vehicular Traffic Networks



Amit Kumar
Indian Institute of Technology, New Delhi
Research Area: Combinatorial Optimisation, Algorithms, Data Clustering



J. R. David
Indian Institute of Science, Bengaluru
Research Area: String Theory, Quantum Field Theory, Holography: AdS/CFT



Arun Kumar
Indian Institute of Science, Bengaluru
Research Area: Human Molecular Genetics, Cancer Biology, Molecular Biology



Mandar M. Deshmukh
Tata Institute of Fundamental Research, Mumbai
Research Area: 2D Materials, Mesoscopic Electron Transport, Nanomechanics



Sandeep Kunnath
TIFR Centre for Applicable Mathematics, Bengaluru
Research Area: Partial Differential Equations, Non-Linear Analysis, Variational Methods



B. N. Gangadhar
National Institute of Mental Health and Neurosciences, Bengaluru
Research Area: Psychiatry – Schizophrenia, Yoga Therapy, Electroconvulsive Therapy



Prabhat Mandal
Saha Institute of Nuclear Physics, Kolkata
Research Area: Topological Insulator and Dirac/Weyl Semimetals, Strongly Correlated and Superconductivity, Multi-Functional Oxides



Subi J. George
Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru
Research Area: Supramolecular Chemistry, Functional, Organic and Hybrid Materials



R. S. Nanjundiah
Indian Institute of Tropical Meteorology, Pune
Research Area: Monsoon Studies using Climate Models, Application of HPC/Grid Computing for Climate and Weather Studies, Machine Learning for Monsoon Prediction and Downscaling.



Manas K. Ghorai
Indian Institute of Technology, Kanpur
Research Area: Organic and Asymmetric Synthesis, Reaction Mechanism



Utpal Nath
Indian Institute of Science, Bengaluru
Research Area: Organ Morphogenesis, Developmental Biology, Plant Biology



Rajeev Patnaik
Panjab University, Chandigarh
Research Area: Vertebrate Evolution and Palaeocology, Geological Context of Primate/Human Evolution, Impact of Climate Change on Evolution



K. Subramaniam
Indian Institute of Technology, Chennai
Research Area: Developmental Biology, Genetics, Cell Biology



Narayan Pradhan
Indian Association for the Cultivation of Science, Kolkata
Research Area: Materials Design and its Properties, Nanomaterials



Rajeev K. Varshney
International Crops Research Institute for the Semi-Arid Tropics, Hyderabad
Research Area: Applied Genomics, Molecular Breeding, Plant Biotechnology



D. B. Ramachary
University of Hyderabad, Hyderabad
Research Area: Asymmetric Supramolecular- Organocatalysis, Sequential One-Pot Multi-Component Reactions, Reaction Methodology and Total Synthesis



G. D. Veerappa Gowda
TIFR Centre for Applicable Mathematics, Bengaluru
Research Area: PDE, Hamilton-Jacobi Equations, Numerical Analysis



Arvind Sahu
National Centre for Cell Science, Pune
Research Area: Complement Biology, Molecular Virology, Protein Chemistry

Honorary Fellow



Subir Sachdev
Harvard University, Cambridge, USA