Indian Academy of Sciences elects new Fellows – 2008

Anil Kumar, National Geophysical Research Institute, Hyderabad
Area: Earth sciences, isotope geochemistry, and palaeomagnetism.

Shree Kumar Apte, Bhabha Atomic Research Centre, Mumbai
Area: Molecular biology and biotechnology, physiology and biochemistry, and stress biology of bacteria and plants.

Upinder S. Bhalla, National Centre for Biological Sciences, TIFR, Bangalore
Area: Systems biology, computational neuroscience, and systems neurobiology.

Mammen Chandy, Christian Medical College Hospital, Vellore
Area: Hematology, bone marrow transplantation, and molecular genetics of blood diseases.

Joydev Chattopadhyay, Indian Statistical Institute, Kolkata
Area: Mathematical modelling on ecology, epidemiology, and eco-epidemiology.

Arabinda Chaudhuri, Indian Institute of Chemical Technology, Hyderabad
Area: Organized surfactant assemblies, biorganic chemistry, and liposomal delivery systems.

Puspendu Kumar Das, Indian Institute of Science, Bangalore
Area: Physical chemistry, laser spectroscopy and dynamics, and nonlinear optics.

Gautam Kumar Dey, Bhabha Atomic Research Centre, Mumbai
Area: Phase transformations in metals and alloys, electron microscopy, and metallic glasses and nanocrystalline materials.

Ravinder Goswami, All India Institute of Medical Sciences, New Delhi
Area: Autoimmune endocrine disorders, sporadic idiopathic hypoparathyroidism, and metabolic bone disorders in India.

Anil Kumar Gupta, Indian Institute of Technology, Kharagpur
Area: Palaeoceansoon, palaeoclimatology, and palaeo-oceanography.

Yashwant Gupta, National Centre for Radio Astrophysics, Pune
Area: Astronomy and astrophysics, radio astronomy instrumentation, and signal processing.

K. Ullas Karanth, Centre for Wildlife Studies, Bangalore
Area: Carnivore ecology, animal population analysis, and conservation biology.

S. Kesavan, The Institute of Mathematical Sciences, Chennai
Area: Partial differential equations, homogenization, and isoperimetric inequalities.

E. Krishnakumar, Tata Institute of Fundamental Research, Mumbai
Area: Atomic collision processes, molecular dynamics, and electron controlled chemistry.

K. Krishna Kumar, Indian Institute of Tropical Meteorology, Pune
Area: Monsoon dynamics, climate change and impacts, and climate applications.

Tapas K. Kundu, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
Area: Mechanisms of transcriptional regulation: link to disease and therapeutics, Nonhistone chromatin proteins in genomic integrity, and chemical biology – targeting chromatin dynamics.

Indranil Manna, Indian Institute of Technology, Kharagpur
Area: Structure–property correlation of engineering materials, nanostructured materials, and surface engineering.

Ashwini Nangia, University of Hyderabad, Hyderabad
Area: Organic chemistry, crystal engineering, and supramolecular chemistry.

Dulal Panda, Indian Institute of Technology, Mumbai
Area: Biochemistry, cell biology, and biophysics.

Aniruddha B. Pandit, University of Mumbai, Mumbai
Area: Design of multiphase reactors, cavitation phenomena, and environmental engineering.

Veeva K. Parnaiik, Centre for Cellular and Molecular Biology, Hyderabad
Area: Cell biology, and molecular biology.

Sujit Roy, Indian Institute of Technology, Kharagpur
Area: Organometallic chemistry, catalysis for fine chemicals, and C–H functionalization.

Utpal Sarkar, Physical Research Laboratory, Ahmedabad
Area: Theoretical high energy physics, particle physics and cosmology, and astroparticle physics.

Surinder Mohan Sharma, Bhabha Atomic Research Centre, Mumbai
Area: Condensed matter physics under high pressures, synchrotron beamlines, and molecular dynamics and first principles calculations.

Yogendra Sharma, Centre for Cellular and Molecular Biology, Hyderabad
Area: Biophysics, biochemistry, and protein structure and function.

Imran Siddiqi, Centre for Cellular and Molecular Biology, Hyderabad
Area: Plant reproductive development, and meiotic chromosome organization.

Mewa Singh, University of Mysore, Mysore
Area: Animal behaviour, wildlife ecology, and sociobiology.

Kumaravel Somasundaram, Indian Institute of Science, Bangalore
Area: Cancer biology, genetics, and virology.

Raghunathan Srianand, Inter-University Centre for Astronomy and Astrophysics, Pune
Area: QSO spectroscopy, cosmology, and structure formation.

V. Suresh, University of Hyderabad, Hyderabad
Area: Algebra, and number theory.

K. George Thomas, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram
Area: Photochemistry and photophysics, nanostructured materials, and photoresponsive materials.

Jaya S. Tyagi, All India Institute of Medical Sciences, New Delhi
Area: Molecular biology, mycobacteriology, and genetic engineering.

K. Vijayamohan, National Chemical Laboratory, Pune
Area: Electrochemistry/physical chemistry, nanotechnology, and materials chemistry.

Umesh Vasudeo Waghmare, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
Area: Multi-functional oxide materials, nano-structures and their properties, and applications of geometric phases in materials science.