

## 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, bioorganic 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: Palaeomonsoon, 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.

**Veena K. Parnaik**, 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.