

## Indian Academy of Sciences elects new Fellows – 2013

**Nahid Ali**, Indian Institute of Chemical Biology, Kolkata

Area: Immunology; parasitology

**Uday Bandyopadhyay**, Indian Institute of Chemical Biology, Kolkata

Area: Gastric pathophysiology; anti-malarials; free radical biology and apoptosis

**S. Baskaran**, Indian Institute of Technology, Chennai

Area: Synthetic organic chemistry; natural products; enantioselective synthesis

**Debasis Chattopadhyay**, National Institute of Plant Genome Research, New Delhi

Area: Abiotic stress of plants; plant virology; genome sequencing

**Amol Dighe**, Tata Institute of Fundamental Research, Mumbai

Area: High energy physics; phenomenology; astroparticle physics

**H. N. Ghosh**, Bhabha Atomic Research Centre, Mumbai

Area: Radiation and photochemistry; quantum dot and nanomaterials; ultrafast spectroscopy in condensed phase

**B. Gopal**, Indian Institute of Science, Bangalore

Area: Structural biology; molecular microbiology; molecular biophysics

**S. Gopalakrishnan**, Indian Institute of Science, Bangalore

Area: Wave propagation; structural health monitoring; computational mechanics

**Jaya N. Iyer**, Institute of Mathematical Sciences, Chennai

Area: Algebraic geometry

**B. R. Jagirdar**, Indian Institute of Science, Bangalore

Area: Organometallic chemistry; materials chemistry; catalysis

**Susanta Mahapatra**, University of Hyderabad, Hyderabad

Area: Theoretical chemical dynamics

**Souvik Maiti**, Institute of Genomics and Integrative Biology, Delhi

Area: Biophysical chemistry; chemical biology

**Debashis Mitra**, National Centre for Cell Science, Pune

Area: Molecular virology; molecular immunology; HIV/AIDS and anti-viral drug discovery

**Sangita Mukhopadhyay**, Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Area: Immunology; cell signaling; communicable diseases

**T. K. Nayak**, Variable Energy Cyclotron Centre, Kolkata

Area: Nuclear and high energy physics experiment; QCD phase transition and quark; gluon plasma; phases of nuclear matter

**Arun K. Pati**, Harish Chandra Research Institute, Allahabad

Area: Quantum information theory; quantum computing; foundations of quantum theory

**B. Jagadeeshwar Rao**, Tata Institute of Fundamental Research, Mumbai

Area: Genome dynamics; biology of cellular adaptations; computational biology

**N. V. Chalapathi Rao**, Banaras Hindu University, Varanasi

Area: Igneous petrology; mantle geochemistry; geodynamics; mineral resources

**G. Narahari Sastry**, Indian Institute of Chemical Technology, Hyderabad

Area: Computational chemistry; theoretical chemistry; computer-aided drug design

**V. B. Shenoy**, Indian Institute of Science, Bangalore

Area: Condensed matter theory; strongly correlated systems; cold atom physics

**Bhim Singh**, Indian Institute of Technology, New Delhi

Area: Power electronics; renewable energy generation

**Tarun Souradeep**, Inter-University Centre for Astronomy and Astrophysics, Pune

Area: Cosmology; high energy physics; early universe

**B. Sundar Rajan**, Indian Institute of Science, Bangalore

Area: Wireless communication; coding theory

**Soumya Swaminathan**, National Institute for Research in Tuberculosis, Chennai

Area: Paediatrics; tuberculosis; HIV co-infection; TB pathogenesis

**Avesh K. Tyagi**, Bhabha Atomic Research Centre, Mumbai

Area: Chemistry of functional materials; nanomaterials; nuclear materials

### Honorary Fellows

**Thomas Kailath**, Stanford University, Stanford, USA

**Daniel G. Nocera**, Massachusetts Institute of Technology, Cambridge, USA