Indian Academy of Sciences elects new Fellows – 2013

Nahid Ali, Indian Institute of Chemical Biology, Kolkata
Area: Immunology; parasitology

Uday Bandopadhyay, Indian Institute of Chemical Biology, Kolkata
Area: Gastric pathophysiology; antimicrobials; 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

Debasish 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