

Indian Academy of Sciences elects new Fellows – 2012

Amita Aggarwal, Sanjay Gandhi PG Institute of Medical Sciences, Lucknow
Area: Clinical immunology; rheumatology; juvenile arthritis.

S. Balasubramanian, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

Area: Molecular simulations; liquid state; computational chemistry.

Rajendra P. Chhabra, Indian Institute of Technology, Kanpur

Area: Transport phenomena; rheology; non-Newtonian fluids.

Subhasish Dey, Indian Institute of Technology, Kharagpur

Area: Fluid mechanics; hydraulics; sediment transport.

Abhishek Dhar, Raman Research Institute, Bangalore

Area: Nonequilibrium statistical physics; Condensed matter physics: transport theory; mathematical physics.

M. Duga Prasad, University of Hyderabad, Hyderabad

Area: Theoretical chemistry; molecular vibrations.

Pradip Dutta, Indian Institute of Science, Bangalore

Area: Heat transfer; energy studies.

Faiz A. Khan, Indian Institute of Technology, Hyderabad

Area: Synthetic organic chemistry; chemistry of natural products; synthetic methodologies.

Mj Mahan, Vivekananda University, Howrah

Area: Geometric group theory; geometric topology; hyperbolic geometry.

Ranjan K. Mallik, Indian Institute of Technology, New Delhi

Area: Electrical engineering (communications).

Rakesh K. Mishra, Centre for Cellular and Molecular Biology, Hyderabad

Area: Genomics; chromatin; epigenetics.

V. Mohan, Dr Mohan's Diabetes Specialities Centre, Chennai

Area: Diabetes and its complications; epidemiology; genomics studies; translational research.

Debasisa Mohanty, National Institute of Immunology, New Delhi

Area: Bioinformatics; computational and structural biology; biophysics.

G. Mugesh, Indian Institute of Science, Bangalore

Area: Bioinorganic chemistry; chemical biology; medicinal chemistry.

G. Balakrish Nair, Translational Health Science and Technology Institute, Gurgaon

Area: Clinical microbiology; molecular epidemiology; diarrhoeal diseases.

Arup Kumar Pal, Indian Statistical Institute, New Delhi

Area: Operator algebras; non-commutative geometry; quantum groups.

Amiya Kumar Pani, Indian Institute of Technology, Mumbai

Area: Numerical analysis; partial differential equations; industrial mathematics.

K. Porsezian, Pondicherry University, Puducherry

Area: Solitons; modulational instability; nonlinear fibre optics.

M. Rajeevan, National Atmospheric Research Laboratory, Gadanki

Area: Climate variability; monsoon prediction; climate change.

A. Raghuram Rao, Tata Institute of Fundamental Research, Mumbai

Area: X-ray astronomy; X-ray instrumentation; high energy astrophysics.

C. Pulla Rao, Indian Institute of Technology, Mumbai

Area: Inorganic chemistry; bio-inorganic chemistry; supramolecular chemistry; metalloproteins; metalloenzymes.

V. Ravindran, Harish-Chandra Research Institute, Allahabad

Area: Perturbative quantum chromodynamics.

Bhaskar Saha, National Centre for Cell Science, Pune

Area: Immunology; signal transduction; parasitology.

Anindya Sarkar, Indian Institute of Technology, Kharagpur

Area: Stable isotope geochemistry; palaeoclimatology; geochronology.

Krishnendu Sengupta, Indian Association for the Cultivation of Science, Kolkata

Area: Condensed matter theory.

Amit P. Sharma, International Centre for Genetic Engineering and Biotechnology, New Delhi

Area: Structural biology; malaria; protein translation.

Vijay K. Sharma, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

Area: Chronobiology; evolution; animal behaviour.

A. K. Shukla, Indian Institute of Science, Bangalore

Area: Materials electrochemistry; fuel cells; batteries and supercapacitors.

Sujit K. Sikdar, Indian Institute of Science, Bangalore

Area: Cellular neurophysiology; Ions channel physiology; pharmacology and biophysics; calcium dynamics.

Utpal S. Tatu, Indian Institute of Science, Bangalore

Area: Cell biology; biochemistry; molecular chaperones; infectious diseases.

Ram Ratan Yadav, Birbal Sahni Institute of Palaeobotany, Lucknow

Area: Palaeoclimatology; tree-ring analysis; climate change and biodiversity.

Honorary Fellows

Pradeep K. Khosla, Carnegie Mellon University, Pittsburgh, USA

S. S. P. Parkin, IBM Almaden Research Center, San Jose, USA

Shrinivas R. Kulkarni, California Institute of Technology, Pasadena, USA