

Indian Academy of Sciences elects new Fellows – 2011

Anuranjan Anand, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

Area: Human genetics and genomics neurogenetics; developmental genetics.

Jaywant H. Arakeri, Indian Institute of Science, Bangalore

Area: Fluid mechanics; heat transfer; turbulence.

S. R. Barman, UGC-DAE Consortium for Scientific Research, Indore

Area: Electron spectroscopy; surface science; material studies.

Rakesh Bhatnagar, Jawaharlal Nehru University, New Delhi

Area: Vaccine development; genetic engineering; molecular biology.

S. Chandrasekhar, Indian Institute of Chemical Technology, Hyderabad

Area: Natural product synthesis; green chemistry and combinatorial chemistry.

Samit Chattopadhyay, National Centre for Cell Science, Pune

Area: Gene transcription and epigenetics; cancer biology; HIV and immunobiology.

J. N. Chengalur, National Centre for Radio Astrophysics, Pune

Area: Radio-astronomy; galaxies.

Amita Das, Institute for Plasma Research, Gandhinagar

Area: Plasma; turbulence; electromagnetohydrodynamics.

K. R. Gopidas, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram

Area: Photochemistry; photoinduced electron transfer; supramolecular chemistry.

C. S. Gopinath, National Chemical Laboratory, Pune

Area: Surface science; heterogeneous catalysis; spectroscopy.

Sourendu Gupta, Tata Institute of Fundamental Research, Mumbai

Area: Particle physics; lattice field theory.

Jayant R. Haritsa, Indian Institute of Science, Bangalore

Area: Database systems; Data mining; Real-time systems.

N. Jayaraman, Indian Institute of Science, Bangalore

Area: Carbohydrate chemistry; dendrimer chemistry; synthetic organic chemistry.

Gagandeep Kang, Christian Medical College, Vellore

Area: Enteric virology; vaccines.

Shiraz Minwalla, Tata Institute of Fundamental Research, Mumbai

Area: String theory; gravity; quantum field theory.

K. N. Raghavan, The Institute of Mathematical Sciences, Chennai

Area: Representation theory.

V. Rajshekhar, Christian Medical College, Vellore

Area: Neurosurgery; cysticercosis; cervical spine surgery.

Vivek Vinayak Ranade, Tridiagonal Solutions Pvt Ltd, Pune

Area: Multiphase flows and reactors; computational flow modelling; process intensification.

Madan Rao, Raman Research Institute, Bangalore

Area: Non-equilibrium statistical mechanics; soft condensed matter physics; biological physics.

Rahul Roy, Indian Statistical Institute, New Delhi

Area: Probability; stochastic processes.

Pulak Sengupta, Jadavpur University, Kolkata

Area: Metamorphic petrology.

Doraiswamy Shankar, National Institute of Oceanography, Dona Paula

Area: Tropical ocean dynamics; ocean-atmosphere interaction; monsoons.

S. Shivaji, Centre for Cellular and Molecular Biology, Hyderabad

Area: Reproductive biology; molecular basis of sperm function; conservation of endangered animals.

Yogendra Singh, Institute of Genomics and Integrative Biology, Delhi

Area: Bacterial pathogenesis; biochemistry; cell biology.

Rajesh K. Srivastava, Banaras Hindu University, Varanasi

Area: Igneous petrology; geochemistry; Precambrian geology.

Shubha Tole, Tata Institute of Fundamental Research, Mumbai

Area: Neuroscience; developmental biology.

Sandeep Verma, Indian Institute of Technology, Kanpur

Area: Biological soft matter; metal-nucleobase interactions.

Honorary Fellows

Daniel L. Hartl, Harvard University, The Biological Laboratories Cambridge, Massachusetts

Richard Friend, Cavendish Laboratory, Cambridge

Tobin J. Marks, Northwestern University, Evanston, IL