

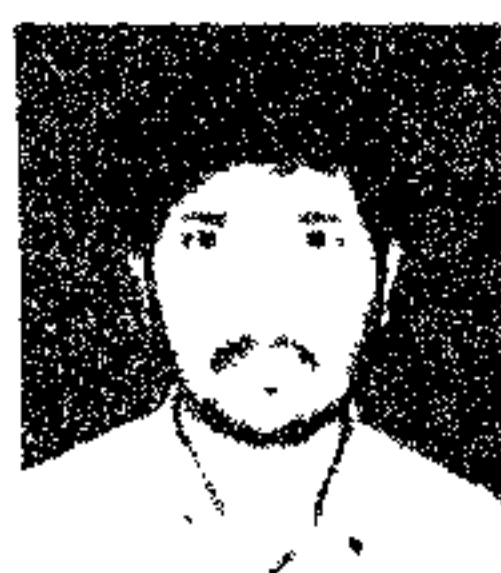
INSA Medal for Young Scientists 1990

Asokan, S., Indian Institute of Science, Bangalore



He conducts high-pressure investigations and has been awarded the INSA medal for performing high-pressure studies in semiconducting glasses.

Chakrabarti, Sandip, Tata Institute of Fundamental Research, Bombay



His research interests are in the areas of astrophysical flows around black holes (in general), transonic flows, planetary ring dynamics, hydro- and magneto-hydrodynamics in accretion disks and jets, spiral shocks, etc.

Chari, Vyjayanthi, Tata Institute of Fundamental Research, Bombay



Her field of research is the representation theory of infinite-dimensional Lie algebras and quantum groups.

Chattaraj, Pratim Kumar, Indian Institute of Technology, Kharagpur



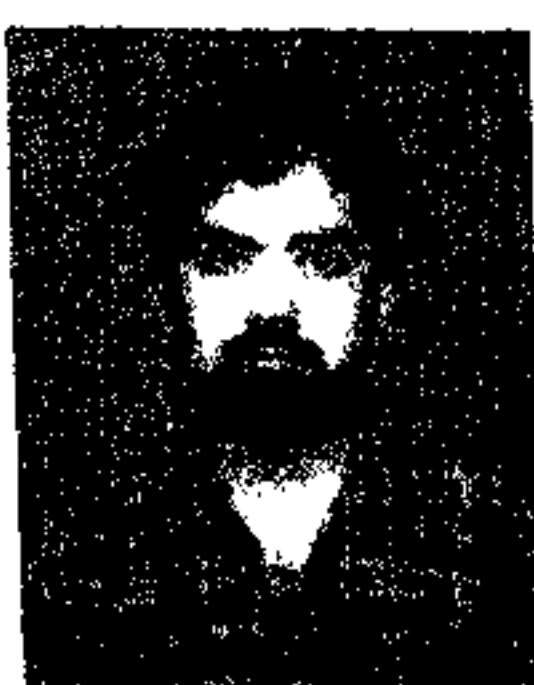
His field of specialization is theoretical chemistry, particularly the density-based quantum mechanics of many-fermion systems and nonlinear dynamics. He has also been selected Associate of the Indian Academy of Sciences.

Das, Parthapratim, Indian Institute of Technology, Kharagpur



His research interests include digital geometry, computer vision and parallel algorithms; is also a recipient of the UNESCO/ROSTSCA Young Scientist award for 1989.

Dattananda, C. S., Centre for Cellular and Molecular Biology, Hyderabad



His work is on the genetics of osmoregulation in *E. coli*.

Grover, Anil, University of Delhi, Delhi



His general areas of interest include physiology, biochemistry of carbon and nitrogen interaction in senescing leaves, and molecular biology of stress response, and photosynthesis.

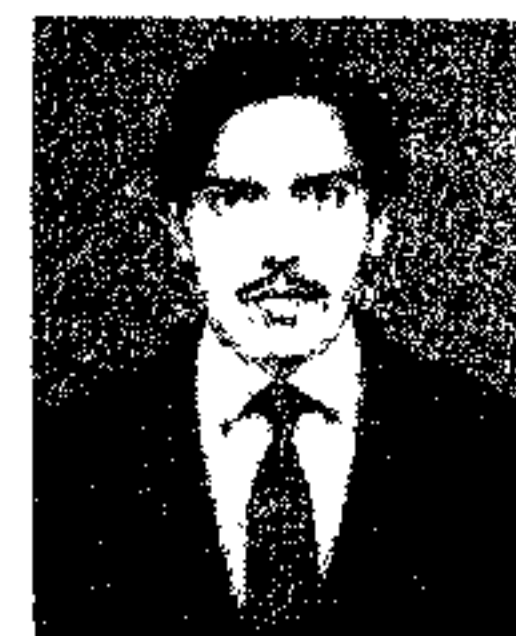
Joshi, Rajani, R., Indian Institute of Technology, Bombay

She has made many contributions to the application of mathematical statistics to biological systems.

Kaul, Ramesh Kumar, Central Arid Zone Research Institute, Jodhpur

He has developed a technique to raise pure axenic cultures of root-knot nematodes.

Mukhopadhyay, Nilay Kumar, Indian Institute of Science, Bangalore



He has made original contributions towards the understanding of quasicrystals. His research also covers intermetallics, phase transformation, rapid solidification, electron microscopy and computer modelling.

Nityanand, Soniya, Sanjay Gandhi Post-graduate Institute of Medical Sciences, Lucknow



She has contributed towards knowledge about the inter-relationship between platelet structure and function in essential hypertension. Her studies could prove useful in the understanding of the factors responsible for essential hypertension and elucidation of the neural control of peripheral cardiovascular functions.