



**Dr. V. Chakravarthi** received the Award for his many outstanding contributions in both theoretical and experimental geophysical research. He applied geophysical modeling techniques for mineral and hydrocarbon explorations, and also in identifying subsurface geological structures in both on-shore and off-shore regions in India. His algorithms were recognized in the form of high impact International Journals and International Patent. His US Patent entitled, “*Digitally Implemented Method for Automatic Optimization of Gravity Fields Obtained From Three-Dimensional Density Interfaces Using Depth Dependent Density*” in the year 2003, is the first US patent granted to NGRI.



**Dr. Sridevi Jade**, Scientist, Centre for Mathematical Modelling and Computer Simulation (C-MMACS), Bangalore was awarded National Mineral Award 2008 by the Ministry of Mines in recognition of her significant contribution in the field of Disaster Management, which included GPS based research studies in Indian subcontinent related to the understanding of earthquake Hazard under the Applied Geosciences discipline.



Dr. Jade has made extraordinary contributions in hazard mitigation projects for the past 21 years at CSIR. She has been extensively involved in the development of GPS (Global Positioning System) geodesy in India, leading to several firsts in quantifying the kinematics of the Indian Plate. She had extensively worked in the GPS related research activities to determine the displacement and strain rate fields in some significant tectonic provinces of the Indian continent to determine their seismogenic potential.

Dr. Jade is also a recipient of Sir C. V. Raman Young Scientist Award 2002 in appreciation and recognition of her exceptional contribution to Earth Science.

## Dr. S. Sivaram Honoured by Purdue University

Dr. Swaminathan Sivaram, Director, National Chemical Laboratory (NCL), Pune received a D.Sc. (h.c.) Degree from Purdue University, West Lafayette, Indiana, USA on 16 May 2010 in the Commencement Ceremonies held at the University Campus. The Honorary Degree is the highest Award Purdue can offer and recognizes distinguished service to the profession and great achievements in career and life.

Selected after intense scrutiny and approved by the Board of Trustees, Purdue Honorary Degree recipients constitute one of the most eminent groups in the world. The Award of the D.Sc. Degree to Dr. Sivaram was in recognition of his extraordinary achievements in polymer chemistry and bringing global recognition to India for its pre-eminence in polymer science and technology development. Dr. Sivaram is the 23<sup>rd</sup> recipient of the Honorary Degree from the Department of Chemistry, Purdue University and the second Indian to have received this coveted honor.

Dr. Sivaram received his Bachelor's Degree in Chemistry, Mathematics, and Physics from Madras University in 1965 and his Master's Degree from the Indian Institute of Technology, Kanpur. He received his Ph.D. degree in Chemistry from Purdue University in 1972. He was mentored by Professor Herbert C. Brown, Nobel Laureate in Chemistry, 1979. Following completion of his studies at Purdue, Dr. Sivaram spent two years at the University of Akron before returning to India and joining Indian Petrochemicals Corporation Limited for a 15-year tenure.

Dr Sivaram's contributions have many dimensions: Basic research in polymer chemistry, industrial R&D, technology development, commercialization of technology, imparting education and research training to a large number of young people in polymer chemistry, institution building, providing policy advice to Government in critical areas of science and technology and advising industry on research and development strategies. He is also an articulate spokesman for Indian science and technology competencies to global