

**Scheme: Research & Development Support (SERC)**  
**Programme: Nanoscience & Technology Initiative (NSTI)**  
**Projects Sanctioned during 2004-05**

Sl. No.	Sanction No. Date of Sanction (D/M/Y)	Project Title	Project Investigator & Address
1.	SR/S5/NM-84/2003 16.04.2004	Investigation on the liquid crystalline phases of cation induced compacted and nanostructured DNA:implications for gene therapy	Dr. C.K.S. Pillai Polymer Science Division, Regional Research Laboratory Industrial Estate PO Thiruvananthapuram - 695019
2.	SR/S5/NM-83/2003 23.04.2004	Synthesis & Photochemistry of composite metal semiconductor nanostructured materials	Prof. Anil Kumar Deptt. Chemistry, Indian Institute of Technology Roorkee - 247667
3.	SR/S5/NM-11/2003 23.04.2004	Preparation & Characterization of bio-polymeric Nano-particles with potential for usage in laser Immuno-assay and drug delivery	Prof. H.B. Bohidar School of Physical Sciences, Jawaharlal Nehru University New Delhi - 110067
4.	SR/S5/NM-64/2003 31.05.2004	Functionalised carbon nanotube sol-gel composite materials for chemical and biosensor fabrication and applications	Prof. Sriman Narayanan Deptt.of Analytical Chemistry, Madras University Guindy Campus Chennai - 600025
5.	SR/S5/NM-32/2003 31.05.2004	Study of photoconductivity and photoluminescence of certain nanostructured materials	Prof. M. Abdul Khadar Deptt.of Physics, Kerala University Kariavattom PO Thiruvananthapuram - 695581
6.	SR/S5/NM-75/2003 01.06.2004	Phase transformation studies in nano-embedded materials	Prof. Kamanio Chattopadhyay Materials Research Centre, Indian Institute of Science Bangalore - 560012
7.	SR/S5/NM-82/2003 04.06.2004	Efficient Utilisation of Platinum nanoparticle enriched - substituted polyaniline network composite electrodes towards electrocatalytic applications	Prof. K. Chandrasekara Pillai Deptt.of Physical Chemistry, Madras University Guindy Campus Chennai - 600025
8.	SR/S5/NM-40/2003 20.07.2004	Synthesis and preparation of nanoparticle secondary cell materials of spinel structure and their compatibility to intercalation process	Prof. T. Vasudevan Deptt. Of Industrial Chemistry, Alagappa University Karaikudi - 630003
9.	SR/S5/NM-48/2003 20.07.2004	Linear and nonlinear optical studies of metal/organic nanoparticles and ultrathin films	Prof. T.P. Radhikrishnan School of Chemistry, Hyderabad University Central University PO Hyderabad - 500046
10.	SR/S5/NM-79/2003 26.07.2004	Development and characterization of CdSe, CdS and CdTe nanocrystalline	Prof. P.K. Bhatnagar Deptt. Of Electronics Sciences, Delhi University

		embedded in borosilicate glass matrix	Beneto Juarez Road, South Campus New Delhi - 110021
11.	SR/S5/NM-17/2004 09.09.2004	Synthesis of water-soluble carbon nanotubes with tripodal ("Y" or "T" Types) tetrapodal, pentapodal and other novel junctions	Prof. Sabyasachi Sarkar Deptt. of Chemistry, Indian Institute of Technology Kanpur - 208016
12.	SR/S5/NM-88/2003 20.09.2004	Study of molecular motors for targeted drug delivery and nanomolecular switching	Dr. Lalit. M. Bharadwaj Biomolecular Electronics & Nanotechnology, Central Scientific Instruments Organisation Sector 30-C Chandigarh - 160030
13.	SR/S5/NM-68/2003 14.10.2004	Nanocomposite thin films of Si-C-N system for wear resistance and functional application by magnetron sputtering	Dr.(Mrs.) S.K. Mishra M.S.T. Division, National Metallurgical Laboratory Jamshedpur - 831007
14.	SR/S5/NM-14/2004 18.10.2004	Unit on Nano Science & Technology (UNANST - DST) in Indian Institute of Technology, Madras, Chennai	Prof. T. Pradeep Deptt. Of Chemistry & Sophisticated Analytical Instrument Facility, Indian Institute of Technology Chennai - 600036
15.	SR/S5/NM-14/2003 19.10.2004	Some conducting polymer/binary polymer - Inorganic hybrid nanocomposite materials	Prof. Mukul Biswas Deptt. Of Chemistry, Presidency College 86/1, College Street Kolkata - 700073
16.	SR/S5/NM-52/2003 27.12.2004	Studies on development, microstructural analysis and physical properties of Aligned Carbon nanotubes and composites by CVD method	Prof. L.M. Manocha Deptt. of Materials Science, Sardar Patel University Vallabh Vidyanagar - 388120
17.	SR/S5/NM-77/2002 28.12.2004	Study of optical and mechanical properties of nanophase material	Dr. Ramesh Chandra Instrumentation Centre, Indian Institute of Technology Roorkee - 247667
18.	SR/S5/NM-03/2003 30.12.2004	Nanocrystalline GaN Films: Preparation and Prospect for LED application	Prof. A.K. Pal Deptt. of Materials Science, Indian Association for the Cultivation of Science Kolkata - 700032
19.	SR/S5/NM-60/2003 14.02.2005	Fabrication and characterization of molecule-based nanostructures	Dr. Subhasis Ghosh School of Physical Sciences, Jawaharlal Nehru University New Delhi - 110067
20.	SR/S5/NM-21/2004 22.02.2005	Unit on Nano Science & Technology (UNANST - DST) at University of Poona, Pune	Prof.(Mrs.) S.K. Kulkarni Deptt. Of Physics, Pune University Ganeshkhind Road Pune - 411007

21.	SR/S5/NM-04/2004 22.02.2005	Unit on Nano Science & Technology (UNANST-DST) in Indian Association for the Cultivation of Science, Kolkata	Prof. D. Chakravorty Indian Association for the Cultivation of Science 2A & B, Raja SC Mullick Road, Jadavpur Kolkata - 700032
22.	SR/S5/NM-05/2004 10.03.2005	Unit on Nano Science & Technology (UNANST-DST) in S.N. Bose National Centre for Basic Sciences, Kolkata	Prof. A.K. Raychaudhuri S.N. Bose National Centre for Basic Sciences JD Block, Sector 3, Salt lake Kolkata - 700098
23.	SR/S5/NM-03/2004 17.03.2005	Unit on Nano Science & Technology (UNANST-DST) in National Chemical Laboratory, Pune	Dr. Murali Sastry Physical & Materials Chemistry Division, National Chemical Laboratory Pune - 411008
24.	SR/S5/NM-86/2003 22.03.2005	Development of nano-silicon structures as new quantum effect materials by ICP-CVD	Dr. Debajyoti Das Energy Research Unit, Indian Association for the Cultivation of Science Jadavpur Kolkata - 700032
25.	SR/S5/NM-09/2004 30.03.2005	Unit on Nano Science and Technology (UNANST-DST) at JNCASR, Bangalore	Prof. G.U. Kulkarni Jawaharlal Nehru Centre for Advanced Scientific Research Jakkur PO Bangalore - 560064