

**Scheme: Research & Development Support (SERC)**  
**Programme: Nano Science & Technology Initiative (NSTI)**  
**Projects Sanctioned during 2005-06**

Sl. No.	Sanction No. Date of Sanction (D/M/Y)	Project Title	Project Investigator & Address
1.	SR/S5/NM-18/2004 05.04.2005	Unit on Nano Science & Technology (UNANST-DST) at Banaras Hindu University	Prof. O.N. Srivastava Deptt. Of Physics Banaras Hindu University Varanasi - 221005
2.	SR/S5/NM-01/2004 05.05.2005	Unit on Nano Science & Technology (UNANST-DST) in Indian Institute of Technology-Kanpur	Prof. Ashutosh Sharma Deptt. Of Chemical Engg. IIT-Kanpur Kanpur - 208016
3.	SR/S5/NM-22/2004 26.05.2005	Unit on Nano Science & Technology (UNANST-DST) in Indian Institute of Technology-Delhi	Prof. B.R. Mehta Deptt. Of Physics IIT-Delhi Hauz Khas New Delhi - 110016
4.	SR/S5/NM-13/2004 02.06.2005	Synthesis and size classification of metal oxides nanoclusters by a tandem reactive pulsed laser-ablation and particle mass spectroscopy in the gas phase: Probing size dependencies of electronic structures and optical properties by linear and nonlinear laser spectroscopy	Dr. T. Chakraborty Deptt. Of Chemistry IIT-Kanpur Kanpur - 208016
5.	SR/S5/NM-12/2005 05.07.2005	Investigation of Electronic and Phonon Properties of Nanostructured Materials	Prof. Sankar P. Sanyal Deptt. Of Physics, Materials Physics Laboratory Barkatullah University Bhopal - 462026
6.	SR/S5/NM-14/2005 26.07.2005	Biomimetic route to hybrid nano-Composite scaffold for tissue engineering	Dr. Suprabha Nayar Materials Science & Technology Division National Metallurgical Laboratory Jamshedpur - 831007
7.	SR/S5/NM-15/2004 12.08.2005	Unit on Nano Science & Technology (UNANST-DST) in Indian Institute of Science, Bangalore	Prof. S. Chandrasekaran Division of Chemical Sciences IISc Malleswaran Bangalore - 560012
8.	SR/S5/NM-08/2005 06.10.2005	Unit on Nano Science & Technology (UNANST-DST) at Saha Institute of Nuclear Physics, Kolkata	Prof. M.K. Sanyal Surface Physics Division Saha Institute of Nuclear Physics 1/AF, Bidhannagar Kolkata - 700064
9.	SR/S5/NM-07/2004	Nanomaterials: Synthesis,	Prof. Sabu Thomas

	05.12.2005	characterization and Applications	School of Chemical Sciences Mahatma Gandhi University Priyadarshini Hills PO Kottayam - 686560
10.	SR/S5/NM-13/2005  23.12.2005	Carbon nano-tube based materials for electrochemical devices	Dr. T. Prem Kumar Electrochemical Power Systems Division Central Electrochemical Research Institute (CECRI) Karaikudi - 630006
11.	SR/S5/NM-02/2005  23.12.2005	Probing nanometer scale dynamics of chromatin fluidity using single molecule force & fluorescence microscopy/spectroscopy	Dr. G.V. Shivashankar National Centre for Biological Sciences TIFR, GKVK Campus Bangalore - 560065
12.	SR/S5/NM-09/2005  23.12.2005	Nanostructural materials synthesized by hydrothermal and combustion/microwave routes and their applications	Dr. G.T. Chandrappa Deptt. Of Chemistry Bangalore University Central College Campus Bangalore - 560001
13.	SR/S5/NM-01/2005  26.12.2005	Engineering nanoscale materials and their application in nanotechnology	Dr. Arun Chattopadhyay Centre for Nanotechnology IIT-Guwahati North Guwahati Guwahati - 781039
14.	SR/S5/NM-15/2005  26.12.2005	Synthesis and characterization of transition metal doped BaTiO <sub>3</sub> nanoparticles	Dr. Tapas Kumar Kundu Deptt. Of Physics Visva Bharati Santiniketan - 731235
15.	SR/S5/NM-04/2005  31.01.2006	Synthesis and characterization of nanostructured materials for functional (magnetic, sensor, opto-electronic and chemical) and structural (hard coating and heterostructure) applications	Prof. Indranil Manna Deptt. Of Metallurgical & Materials Engineering IIT-Kharagpur Kharagpur - 721302
16.	SR/S5/NM-51/2005  06.03.2006	Centre for Nano Technology (Implants, Tissue Engineering, Stem Cell Research)	Dr. Shantikumar V Nair Biomedical Engineering Centre Amrita Institute of Medical Sciences Elamakkara PO Kochi - 682026
17.	SR/S5/NM-32/2005  22.03.2006	Design and development of super hard graded nanocomposite coatings for industrial applications & Functional nanocomposite ceramic coatings: Fabrication, characterization & applications	Dr. Ramesh Chandra Deptt. Of Physics, Institute Instrumentation Centre IIT-Roorkee Roorkee - 247667
18.	SR/S5/NM-38/2005	Centre for Computational Materials Science at JNCASR,	Prof. Balasubramanian Sundaram

	22.03.2006	Bangalore	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) Jakkur PO Bangalore - 560064
19.	SR/S5/NM-43/2005  23.03.2006	Investigation of the synthesis and characterization of functional/multi-component nanostructured (nanotube/nanorod/nanoribbon/nanowires) polyaniline based materials	Dr. A. Gopalan Deptt. Of Industrial Chemistry Alagappa University Karaikudi - 630003
20.	SR/S5/NM-34/2005  28.03.2006	Semiconductor Nanostructures	Prof. J. Kumar Crystal Growth Centre Anna University Chennai - 600025
21.	IR/S2/PU-01/2005  30.03.2006	Ion Beam Facility for Micro and Nano Scale Science & Engg.	Prof. V.N. Kulkarni Deptt. Of Physics IIT-Kanpur Kanpur - 208016