

## Projects Sanctioned 2009-10(31<sup>st</sup> March, 2010)

Sr. No.	Sanction No.	Project Title	PI & Add
1.	SR/NM/NS-09/2007	Quasistatic and Ultra fast Magnetization Dynamics in Nano magnet Arrays	Dr. Anjan Barman S.N. Bose National Centre for Basic Sciences Block . JD Sector-III, Salt Lake Kolkatta . 700 098
2.	SR/NM/NS-20/2008	Computational nano-Engineering of Patterned Nanostructures	Dr. Arti Kashyap The LNM Institute of Information Technology Rupa Ki Nangal Sumel Jaipur . 303012
3.	SR/NM/NS-49/2007	Electronic Structure of Semiconductor Nanostructures	Dr. Pranav Sarkar Department of Chemistry Visva Baharati Santiniketan . 731235
4.	SR/NM/NS-28/2008	Synthesis of Functionalized Gold Nanoparticles and their Self-Assembly on Electrode Substrates for Sensing of Biomolecules	Dr. S. Abraham John Department of Chemistry Gandhigram Rural University Gandhigram . 624302 Tamilnadu
5.	SR/NM/NS-58/2008	Development of magneto resistive thin film sensor for magnetic field sensing applications	Dr. Prasanta Chowdhury Surface Engineering Division National Aerospace Laboratories Post Bag No. 1779 Hal Airport Road Bangalore . 560017
6.	SR/NM/NS-38/2008	Multimodal nanodot imaging probes as contrast enhancing agents for MRI and as optical probes for fluorescence imaging towards cancer diagnosis	Dr. V. Alexander Department of Chemistry Loyola College, Chennai . 600034
7.	SR/NM/NS- 37/2008	Deformation mechanisms of nanoparticles through in situ Transmission Electron Microscope	Dr. M.S. Bobji Department of Mechanical Engineering Indian institute of Sciences Bangalore . 560012
8.	SR/NM/NS-84/2008	Electrochemical synthesis of nanowires and their characterization	Dr. Sanjeev Kumar Department of Physics, University College of Engineering Punjabi University Patiala . 147002
9.	SR/NM/NS-40/2008	Preparation of core-shell structure of silica (SiO <sub>2</sub> )-coated Cadmium Sulphide (Cds) nanocomposites by size-selective photo etching and study of photo catalytic organic syntheses reactions	Dr. Bonamali Pal School of Chemistry and Biochemistry Thapar University Patiala . 147004

10.	SR/NM/NS-13/2007	Studies on chemical synthesis of peptidomimetics based self assembling organic nanotubes and application of carbon nanotubes in peptidomimetics synthesis	Dr. V.V. Suresh Babu Department of Studies in Chemistry Central College Campus Bangalore University Bangalore . 560001
11.	SR/NM/NS-42/2008	Motor and cognitive behaviour in 6-hydroxydopamine (6-OHDA) Adult rat model of Parkinson's disease following magnetic field exposure and implantation of ferromagnetic nanoparticles	Dr. Suman Jain D/o Physiology All India Institute of Medical Sciences Ansari Nagar New Delhi . 110029
12.	SR/NM/NS-55/2008	Current-voltage characteristics of semi conducting Nanoparticles	Dr. Amlan J.Pal Department of Solid State Physics Indian Association for the Cultivation of Science Jadavpur ,Kolkata . 700032
13.	SR/NM/NS-52/2008	Controlled Drug Delivery using Layer-by-Layer Self-Assembly on Magnetic PLGA Nanoparticles using Dual Drug Regimen for Breast Cancer Therapy	Dr. Rohit srivastava School of Biosciences and Bioengineering Indian Institute of Technology . Bombay, Powai Mumbai . 400076
14.	SR/NM/NS-80/2008	Studies on Protein-Metal Colloid Interactions by Raman spectroscopy	Dr. Anushree Roy Department of Physics and Meteorology Indian Institute of Technology Kharagpur Kharagpur . 731302
15.	SR/NM/NS-98/2008	Development of Direct Glucose Fuel Cell based on metal electro-catalyst-electrodes	Dr. Suddhasatwa basu Department of Chemical Engineering Indian Institute of technology . Delhi ,Hauz Khas New Delhi . 110016
16.	SR/NM/NS-66/2008	Synthesis of nanostructure metals/metal oxides for catalysis/photo catalysis	Dr. Tarun K. Mandal Polymer science Unit & Centre for Advance materials Indian Association of the Cultivation of Science 2A & B Raja S.C. Mullick Road Jadavpur Kolkata 700032
17.	SR/NM/NS-42/2009	Nano Science Unit at Indian Institute of Science Education & Research . Pune (IISER-Pune)	Dr. Sulabha Kulkarni Indian Institute of Science Education & Research Pune 900 NCL Innovation Park Dr. Homi Bhabha Road Pune . 411008
18.	SR/NM/NS-91/2008	Development of a novel process for the synthesis of nano-crystalline zinc oxide particles	Dr. M Hameedullah Department of Mechanical Engineering Z.H. College of Engg. & Technology Aligarh Muslim University Aligarh . 202002

19.	SR/NM/NS-87/2008	Nanophosphor Application Centre	Dr. Avinash Chandra Pandey Nano phosphor Application Centre University of Allahabad Allahabad . 211002
20.	SR/NM/NS-77/2008	Fabrication and characterization of self-assembled one-dimensional semiconductor nanostructures	Dr. K. Jeganathan Centre for Nano Science and Nano Technology School of Physics Bharathidasan University Tiruchirapalli . 620024
21.	SR/NM/NS-95/2008	Growth and Characterization of Gallium Nitride and related Alloy Heterostructures	Dr. K. Baskar Crystal Growth Centre Anna University Chennai . 600025
22.	SR/NM/NS-81/2008	Phase Transformation of Multiphase Embedded Alloy Nanoparticles and Multilayer Thin Films	Dr. Krishanu Biswas Department of Materials and Metallurgical Engineering Indian Institute of Technology Kanpur- 208016
23.	SR/NM/PG-13/2007	PG Teaching Programme (M.Tech. . Duration: 2 Years ) in Nano Technology with annual intake of 20 Students at the Jawaharlal Nehru Technological University Hyderabad	Dr. M Anji Reddy Professor of Environmental Science and Technology Jawaharlal Nehru Technological University, Kukatpally Hyderabad . 500085
24.	SR/NM/NS-92/2008	Development of nanodielectric polymeric material for industrial application	Dr. R.C. Jain Material Research Cell Technology Development and Commercialization Centre Electrical Research & Development Association Post Box No. 760 ERDA Road Makarpura Industrial Estate Makarpura Vadodara . 390010
25.	SR/NM/NS-99/2009	Theranostics Re-Generative Medicine and Stem Cell Research Using Cell-Targeted Nanomaterials	Dr. Shantikumar V. Nair Amrita Centre for Nanoscience and Molecular Medicine Ponnepkara (P.O.) Kochi . 682041
26.	SR/NM/NS-90/2009	Nano Structured Multifunctional Magnetic nanoparticulates	Dr. D. Bahadur Department of Metallurgical Engineering and Materials Science Indian Institute of Technology . Bombay Powai Mumbai . 400076
27.	SR/NM/NS-97/2009	Photo physics of Nanosystems	Dr. A.K. Sood Department of Physics Indian Institute of Science Bangalore . 560012

<b>28.</b>	SR/NM/NS-56/2009	Unit of Nanoscience at the Indian Institute of Technology . Madras, Chennai	Dr. T. Pradeep Department of Chemistry and Sophisticated Analytical Instrument Facility Indian Institute of Technology . Madras, Chennai
<b>29.</b>	SR/NM/NS-19/2009	Nanocomplexes for the Targeted Drug Delivery to the Inflamed Site of Lungs	Dr. (Ms.) K. Ruckmani Department of Pharmaceutical Technology Anna University , Tiruchirapalli . 620024
<b>30.</b>	SR/NM/NS-75/2009	Studies on formulation and characterization of alginate nanospheres for targeted radionuclide therapy of neuroendocrine tumors	Dr. G.P. Bandopadhyaya Department of Nuclear Medicine All India of Medical Sciences Ansari Nagar New Delhi . 110029
<b>31.</b>	SR/NM/NS-25/2009	Nanostructured Transition Metal Borides for anti-corrosion and super- hard coatings	Dr. Ashok K. Ganguli Department of Chemistry Indian Institute of Technology . Delhi, Hauz Khas New Delhi