

## Projects Sanctioned - 2002-03

Sl. No.	Sanction No.	Title	PI & Address
1.	SR/S5/NM-03/2002	Synthesis of Nano-sized Metastable oxide solid solutions and studies of their properties.	Prof. Panchanan Pramanik Chemistry IIT Kharagpur - 721302
2.	SR/S5/NM-39/2002	Investigations of the properties and phenomena exhibited by Nanomaterials: nanofabrication, lithography and related aspects.	Prof. G.U. Kulkarni JNU Cen. for Adv. Scientific Res. Bangalore - 560064
3.	SR/S5/NM-63/2002	Combinational DNA chips coupled with nanoparticle probe for scanometric detection.	Dr. Subho Mozumdar Chemistry University of Delhi Delhi - 110007
4.	SR/S5/NM-13/2002	Metal nanocluster doped coloured coatings on glasses and plastics using Sol-Gel Techniques.	Dr. Gautam De Central Glass and Ceramic Res. Instt. Kolkata - 700032
5.	SR/S5/NM-09/2002	Investigation of complex metal based nanosized using the reverse micellar, polymeric precursor and hydrothermal routes.	Dr. Ashok K. Ganguli Chemistry IIT New Delhi - 110016
6.	SR/S5/NM-84/2002	Optical and Morphological investigations of nanoparticles using scanning near field Optical Microscopy(SNOM).	Prof.(Mrs) S.K. Kulkarni Physics Univ. of Poona Pune - 411007
7.	SR/S5/NM-69/2002	Indian instt.of Science Nano science and Technology initiative.	Prof. A.K. Raychaudhuri Physics IISC Bangalore - 560012
8.	SR/S5/NM-67/2002	DNA-Gold/Silver composite Nanoparticles: Design, Assembly and Functionalisation.	Dr. K.N. Ganesh Organic Chemistry NCL Pune - 411008
9.	SR/S5/NM-41/2002	Nanoparticles, nanowires and nanofilms: Synthesis, characterization, self assembly and patterning.	Prof. D.C. Agarwal Materials science programme IIT Kanpur - 208016
10.	SR/S5/NM-73/2002	Self-assembly of dendritic nanoreactors on electrode surfaces - The case of electrocatalysis.	Dr(Mrs) Sheela Berchmans Electronics & Electrocatalysis Div Cen. Electrochemical Res. instt. Karaikudi - 630003
11.	SR/S5/NM-23/2002	Magnetic and electrical properties of nanostructured and nanocomposite magnetic materials.	Prof. A. Narayanasamy Nuclear Physics Univ. of Madras Chennai - 600025
12.	SR/S5/NM-31/2002	Application of semiconductor and metal nanoparticles in photoelectrochemistry and catalysis.	Dr.R. Ramaraj Sch. of Chemistry Madurai Kamraj University Madurai - 625021

13.	SR/S5/NM-45/2002	Investigating the influence of micro/nano structures of the dispersed crystalline phase in glasses on their mechanical behaviour.	Dr. R.K. Mandal Metallurgical Engg. BHU Varanasi - 221005
14.	SR/S5/NM-59/2002	A new approach for the development of nanocrystalline apinel ferrite	Dr. Tapas Kumar Kundu Physics Vidyasagar University Midnapore - 721102
15.	SR/S5/NM-72/2002	Synthesis and characterization of iron/nickel based nanomaterials using gas reduction and coating techniques.	DR(Mrs) Vijaya Agarwala Metallurgical & Materials Engg. IIT Roorkee - 247667
16.	SR/S5/NM-42/2002	Single molecule and interfacial processes in nanobiology.	Dr. S.V. Ramanan AU-KBC Res. Cen. Anna University Chennai - 600044
17.	SR/S5/NM-37/2002	Structural electronic and gas-sensing properties of SnO <sub>2</sub> Ag composite nanoparticle thin films.	Dr. B.R. Mehta Physics IIT New Delhi - 110016
18.	SR/S5/NM-16/2002	Nanomaterials and nanotechnology-processes, characterization and applications.	Prof. K. Prasad Rao Metallurgical Engg. IIT Chennai - 600036
19.	SR/S5/NM-19/2002	Lithium nanoferrites by chemical method.	Dr. S.C. Watawe physics IT Instt.of P.G. Teaching and Res. Ratnagiri - 415612
20.	SR/S5/NM-10/2002	Synthesis and characterization of nanocomposites involving a disordered medium.	Prof. D. Chakraborty IACS Kolkata - 700032
21.	SR/S5/NM-78/2002	Development and tailoring of properties of Al based amorphous alloys through evolution of nanophases.	Dr. K.L. Sahoo National metallurgical Laboratory Jamshedpur - 831007
22.	SR/S5/NM-91/2002	Development of nanocrystalline materials of different processing routes.	Prof. S.K. Pabi metallurgical & Materials Engg. IIT Kharagpur - 721302