

Projects Sanctioned 2007-2008

| Sl. No. | Sanc. No. | Title | PI & Add |
|----------------|-------------------|---|--|
| 1. | SR/S5/NM-100/2006 | Development of nanomaterial enhanced high performance coated textiles | Dr. Mangala Joshi Deptt. Of Textile Technology Indian Institute of Technology-Delhi Hauz Khas New Delhi - 110016 |
| 2. | SR/S5/NM-17/2006 | Inorganic Organic hybrid nanocomposite coatings for Nano Technological applications | Dr. Gautam De Sol-Gel Division Central Glass & Ceramic Research Institute Jadavpur Kolkata - 700032 |
| 3. | SR/S5/NM-51/2006 | Rare earth doped nanocrystalline spinel ferrites: Promising materials for magneto-optical storage media | Dr. Mrinal Pal Deptt. Of Physics Burdwan University Golapbag Burdwan - 713104 |
| 4. | SR/S5/NM-10/2006 | Physical principles relevant to nanoscale devices and biological motors in the Brownian regime | Dr. Gautam I. Menon The Institute of Mathematical Sciences CIT Campus, Taramani Chennai - 600113 |
| 5. | SR/S5/NM-94/2006 | Development and Characterization of Semiconducting nanotubes/nanorods for thermoelectric applications | Dr. Suneel Kumar Srivastava Deptt. Of Chemistry Indian Institute of Technology-Kharagpur Kharagpur - 721302 |
| 6. | SR/S5/NM-30/2006 | Synthesis, Contact less conductivity magnetic and Electron Magnetic Resonance investigations of nano-manganites (mainly charge ordered) | Prof. S.V. Bhat Deptt. Of Physics Indian Institute of Science Bangalore - 560012 |
| 7. | SR/S5/NM-32/2006 | New nanoporous materials for selective gas adsorption and separation processes | Dr. Srinivasan Natrajan Solid State and Structural Chemistry Unit Indian Institute of Science Bangalore - 560012 |
| 8. | SR/S5/NM-106/2006 | Effective functionalization of carbon nanotubes using | Dr. E. Murugan Deptt. Of Physical |

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| | | amphiphilic/hydrophilic dendrimers and phase transfer catalysts | Chemistry, School of Chemical Sciences Madras University Guindy Campus Chennai – 600025 |
| 9. | SR/S5/NM-40/2005 | Development of nano metal oxides incorporated refractories for refractory applications | Dr. V. Rajendran KS Rangasamy College of Technology KSR Kalvi Nagar Tiruchengode - 637209 |
| 10 | SR/S5/NM-114/2006 | Design of nanometal/metal oxide/composite oxide promoted nanoporous materials for catalytic applications | Dr. K.M. Parida Colloids & Mat. Chemistry Group Regional Research Laboratory Bhubneswar - 751013 |
| 11 | SR/S5/NM-104/2006 | Size dependent physical properties of ferromagnetic and ferroelectric nanoparticles | Dr. Pankaj Poddar Nanoscience Group, Physical/Mat. Chemistry Div. National chemical Laboratory Dr. Homi Bhabha Road Pune - 411008 |
| 12 | SR/S5/NM-98/2006 | Layered hydroxides as candidate precursors for nanoparticulate oxide materials | Dr. P. Vishnu Kamath Deptt. Of Chemistry, Central College Bangalore University Bangalore - 560001 |
| 13 | SR/S5/NM-29/2006 | Magnetic nanoparticulates for controlled and targeted drug delivery | Dr. Dharendra Bahadur Deptt. Of Metallurgical Engg. & Mat. Sc. Indian Institute of Technology-Bombay Powai Mumbai - 400076 |
| 14 | SR/S5/NM-86/2006 | Development of nano dispersed Polycrylates for optical applications | Dr. Rakesh Kumar Khandal Shriram Instt. Of Indl. Res. 19, Univ. Rd New Delhi - 110007 |
| 15 | SR/S5/NM-19/2006 | Synthesis of magnetic and semi conductor oxide nanomaterials from hydroxide precursors and layered solid nanoparticle nanocomposites | Dr. Michael Rajamathi Deptt. Of Chemistry St. Joseph's College 36, Lalbagh Road Bangalore - 560027 |

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| 16 | IR/S5/IU-01/2006 | Establishment of a Centre for Nano Technology at the Hyderabad University, Hyderabad | Hyderabad University Hyderabad - 500046 |
| 17 | SR/NM/NAT-02/2005 | Establishment of a Nano Functional Materials Technology Centre (NFMTC) at IIT Madras, Chennai | Dr. S. Ramaprabhu Deptt. Of Physics Indian Institute of Technology-Madras Chennai - 600036 |
| 18 | SR/S5/NM-113/2006 | Development and characterisation of nanocomposite mullite: A study | Dr. Sukhen Das Deptt. Of Physics Jadavpur University Kolkata - 700032 |
| 19 | SR/S5/NM-45/2006 | Mechanical properties at the nano-scale | Dr. Upadrasta Ramamurthy Deptt. Of Metallurgy Indian Institute of Science Bangalore - 560012 |
| 20 | SR/S5/NM-108/2006 | Novel nanoscale materials: generation , characterization and device applications | Dr. Arun Chattopadhyay Centre for Nanotechnology Indian Institute of Technology-Guwahati Guwahati - 781039 |
| 21 | SR/S5/NM-85/2006 | Microscopic investigation of luminescence and mechanical properties of nanostructured porous silicon | Dr. Nil Ratan Bandyopadhyay School of Materials Science & Engineering Bengal Engineering & Science University Shibpur Howrah - 711103 |
| 22 | SR/S5/NM-57/2006 | Developing comprehensive bottom-up strategies for functional nanostructures | Dr. N. Ravishankar Materials Research Centre Indian Institute of Science Bangalore - 560012 |
| 23 | SR/S5/NM-42/2006 | Nanostructured self-assembled polymer blend systems from epoxy resin/block copolymer systems for super toughness | Dr. Sabu Thomas School of Chemical Sciences Mahatma Gandhi University Priyadarshini Hills PO Kottayam - 686560 |
| 24 | SR/S5/NM-105/2006 | Development of solar light driven nanostructured | Dr. B.B. Kale Deptt. Of |

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| | | ZnIn ₂ S ₄ photocatalyst for hydrogen generation | Nanocomposite/Glass Materials Centre for Materials for Electronics Technology (C-MET) Panchawati, off Pashan Road Pune - 411008 |
| 25 | SR/S5/NM-42/2005 | Establishing Centre for Nanotechnology(Nanoparticles, Nanosensors and Nanodrug delivery) at Madurai Kamaraj University | Prof. S. Shanmugasundaram School of Biological Sciences Madurai Kamaraj University Madurai - 625021 |
| 26 | SR/S5/NM-84/2006 | Physics and applications of nanocrystalline materials and semiconductor quantum devices | Prof. Pushan Ayyub Deptt. Of Condensed Matter Physics Tata Institute of Fundamental Research 1, Homi Bhabha Road, Colaba Mumbai - 400005 |
| 27 | SR/NM/NAT-05/2006 | Research programme on Smart and Innovative Textiles (SMITA) | Dr. Ashwini K Agrawal Deptt. Of Textile Technology Indian Institute of Technology-Delhi Hauz Khas New Delhi - 110016 |
| 28 | SR/S5/NM-22/2006 | Biosequestration and bio-impregnation of heavy metals leading to nanomaterials synthesis and decontamination of industrial effluent | Dr. Seema Bhaduria Deptt. Of Botany Raja Balwant Singh College Agra - 282002 |
| 29 | SR/S5/NM-22/2006 | Biosequestration and bio-impregnation of heavy metals leading to nanomaterials synthesis and decontamination of industrial effluent | Dr. S.P. Singh Biomolecular Electronics and Conducting Polymer Group National Physical Laboratory Dr. KS Krishnan Marg New Delhi - 110012 |
| 30 | SR/S5/NM-90/2006 | Pd bi-metal nanoparticle and multilayer structures for improved hydrogenation in rare earth switchable mirrors | Prof. B.R. Mehta Deptt. Of Physics Indian Institute of Technology-Delhi |

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| | | | Hauz Khas New Delhi - 110016 |
| 31 | SR/S5/NM-04/2007 | Preparation and Characterization of SiO ₂ and TiO ₂ hollow nanospheres in reverse microemulsion system | Dr. Santanu Paria Deptt. Of Chemical Engineering National Institute of Technology Rourkela Rourkela - 769008 |
| 32 | SR/S5/NM-01/2007 | Fate of nanomaterials in biological systems | Dr. Alok Dhawan Industrial Toxicology Research Centre Mahatma Gandhi Marg, PO Box No 80 Lucknow - 226001 |
| 33 | SR/S5/NM-111/2006 | Synthesis and characterization of nanoporous materials | Dr. Farid Khan Deptt. Of Chemistry Dr. Hari Singh Gour University Sagar - 470003 |
| 34 | SR/S5/NM-03/2007 | Field effect Transistors based on epitaxial multicomponent oxide heterostructures | Dr. Ashish Garg Deptt. Of Materials & Metallurgical Engineering Indian Institute of Technology-Kanpur Kanpur – 208016 |
| 35 | SR/S5/NM-13/2007 | Synthesis and characterisation of nano-crystalline co-doped Ceria, CeO ₂ based solid electrolytes for Intermediate Temperature Solid Oxide Fuel Cells (ITSOFC) | Prof. Om Parkash Deptt. Of Ceramic Engineering, Institute of Technology Banaras Hindu University Varanasi - 221005 |
| 36 | SR/S5/NM-09/2007 | Technology CAD of nano-MOSFETs in Hybrid Orientation Technology | Prof. C.K. Maiti Deptt. Of Electronics & ECE IIT-Kharagpur Kharagpur - 721302 |
| 37 | SR/S5/NM-71/2006 | Studies in micro and nanorheology of soft materials | Dr. Sharath Ananthamurthy Deptt. Of Physics Bangalore University Jnanabharathi Campus Bangalore - 560056 |
| 38 | SR/S5/NM-91/2006 | Semiconductor quantum dots for optical storage applications | Prof. R.P. Tandon Deptt. Of Physics & |

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| | | | Astrophysics Delhi University New Delhi - 110007 |
| 39 | SR/NM/NS-20/2007 | Cleanroom infrastructure for National Nanofabrication Centre at the Indian Institute of Science, Bangalore | Prof. Rudra Pratap Deptt. Of Mechanical Engineering Indian Institute of Science Bangalore - 560012 |
| 40 | SR/NM/PG-08/2007 | PG Teaching Programmes (M.Tech 2 Years) in Nano Science and Technology at Anna University, Chennai (With Annual Intake of 15 Students) | Dr. R. Jayavel Centre for Nanoscience and Technology Anna University Chennai - 600025 |
| 41 | SR/NM/PG-17/2007 | PG Teaching Programmes (M.Tech 2 Years) in Nano Science and Technology at GGS Indraprastha University, New Delhi (With Annual Intake of 15 Students) | Dr. Vaishali Singh University School of Basic & Applied Science Guru Gobind Singh Indraprastha University Kashmere Gate New Delhi - 110006 |
| 42 | SR/NM/PG-03/2007 | PG Teaching Programmes (M.Tech 2 Years) in Nano Science and Technology at Jadavpur University, Kolkata, (With Annual Intake of 18 Students) | Prof. S. Mukherjee Materials Science and Technology Jadavpur University Kolkata - 700032 |
| 43 | SR/NM/NS-01/2008 | National Facility on Ultra High Resolution Aberration-Corrected Transmission Electron Microscope at International Centre for Materials Research, JNCASR, Bangalore | Jawaharlal Nehru Centre for Advanced Scientific Research Bangalore – 560064 |
| 44 | SR/NM/NAT-04/2006 | Electro nanoprocessing of semiconductor nanotube arrays for high efficiency photovoltaics | Dr. Shantikumar V Nair Amrita Centre for Nanosciences Amrita Vishwa Vidyapeetham Elamakkara PO Kochi - 682026 |
| 45 | SR/S5/NM-06/2007 | Development of electrically conducting polyaniline nano-materials via self-assembly approach and their application in sensors and opto- | Dr. M. Jayakannan Deptt. Of Chemistry Indian Institute of Science Education & Research |

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| | | electronics | (IISER), 900, NCL Innovation Park Campus, Dr. Homi Bhabha Road Pune - 411008 |
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