

**Government of India
Nano Mission
GROUP MONITORING MEETING
IIT-Delhi
March 17, 2017**

Progress Reports (Nanomaterials for Potential Applications) - Projects < 50 lakh

CONTENTS

**Session 3 : March 17, 2017, 9:00-1:00 (11:00-11:30 A.M Tea Break)
(01:00-02:00 P.M Lunch Break)**

1.	SR/NM/NS-1109/2011 Multifunctional materials for electrochemical energy conversion and storage devices. Dr. C. Retna Raj , D/o Chemistry, IIT-Kharagpur crraj@chem.iitkgp.ernet.in
2.	SR/NM/NS-1030/2012 Development of nano-engineered glass based optical fiber with Cr ⁺⁴ doped YAG nano-particles for use as a broad-band light source within 1100-1500nm Dr. Mukul Chandra Paul Fiber Optics and Photonics Division, CGCRI, Jadavpur, Kolkata paulmukul@hotmail.com
3.	SR/NM/NS-1060/2012 Frequency stability of graphene based nanoelectromechanical devices. Dr. Akshay Naik Centre for Nano Science and Engineering, IISc, Bangalore anaik@cense.iisc.ernet.in
4.	SR/NM/NS-1069/2012 High energy density photochemical fuels based on nanomaterial hybrids. Dr. Aji A. Anappara D/o Physics, NIT-Calicut aji@nitc.ac.in
5.	SR/NM/NS-1109/2012 Design and development of intelligent catalytic nanobots. Dr. Dipankar Bandyopadhyay D/of Chemical Engineering, IIT- Guwahati dipban@iitg.ernet.in
6.	SR/NM/NS-1110/2012 Synthesis of metal oxide - graphene based nanocomposites for its energy related supercapacitor application. Dr. (Ms.) Neetu Jha , D/o Chemical Engineering, ICT Matunga, Mumbai ab.pandit@ictmumbai.edu.in

7.	<p>SR/NM/NS-1024/2011 Construction and evaluation of lithium ion battery with synthesized nano structured cathode materials – lithium compounds (LiCoPO₄, LiNiPO₄ and LiM_{1-x}Y_xPO₄, Y =Co or Ni, M = Y, Gd, Sm, Eu).</p> <p>Dr. Subramanian Selvasekarapandian, D/o Nanoscience & Technology, Tamil Nadu Agricultural University, Coimbatore sekrapanda@redifmail.com</p>
8.	<p>SR/NM/NS-1099/2012 Polymeric graphitic-carbon-nitride semiconductor nanomaterials for next-generation lithium-ion rechargeable batteries: synthesis, characterization, device fabrication and testing.</p> <p>Dr. Manickam Sasidharan, SRM University, Chennai sasidharan.m@res.srmuniv.ac.in</p>
9.	<p>SR/NM/NS-1068/2013 Development of dendrimeric sunscreens containing polyphenols</p> <p>Dr. Srinivas Mutalik D/o Pharmaceutics, Manipal University, Manipal ssmutalik@yahoo.com</p>
10.	<p>SR/NM/NS-1176/2012 Metal nanoparticles with a knack for anion/molecular recognition: Synthesis, water dispersion, sensing and bio-conjugation.</p> <p>Dr. Tarun Kumar Mishra, D/o Chemistry, NIT- Agartala tkmisra70@yahoo.com</p>
11.	<p>SR/NM/NS-1160/2013 Microwaves monolithic devices using magnetic nanostructures.</p> <p>Dr. Bijoy Kumar, Special Centre for Nanoscience JNU Delhi bkkuanr@gmail.com</p>
12.	<p>SR/NM/NS-1067/2013 Development of high performance metal-carbon nanotube bolometer.</p> <p>Dr. Abha Mishra, D/o Instrumentation and Applied Physics, IISc, Bangalore abha@isu.iisc.ernet.in</p>
13.	<p>SR/NM/NS-1176/2013 Low-cost and shape-tailored nano catalysts for volatile organic compound emission control.</p> <p>Dr. Nitin Kumar Labhsetwar, D/o Environmental Materials Division, NEERI Nagpur nk_labhsetwar@neeri.res.in</p>
14.	<p>SR/NM/NS-1035/2013 Structure, pattern and elastic behavior of model membranes in presence of nanomaterials.</p> <p>Dr. Sarathi Kundu, D/o Physical Science, IASST Guwahati sarathi.kundu@gmail.com</p>

15.	<p>SR/NM/NS-1161/2013 Development of metal-oxide heterostructures for nanoelectronic and photocatalytic applications.</p> <p>Dr. Chaitanya Lekshmi Indira, D/o Chemistry, CMR Institute of Technology, Bangalore ic.lekshmi@gmail.com</p>
16.	<p>SR/NM/NS-1169/2012 Entrapment of nanoparticles in metal organic frame work (MOF): Bridging the materials gap in asymmetric catalysis.</p> <p>Dr. K.V.S. Ranganath, D/o Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur rangakvs@gmail.com</p>
17.	<p>SR/NM/NS-1310/2014 Nano-catalyst embedded hierarchically porous carbon AIR carbon for Li/Air rechargeable batteries</p> <p>Dr. Siluvai Michael SSN College of Engineering, Chennai michaelm@ssn.edu.in</p>
18.	<p>SR/NM/NS-13/2012 Tuning of metal and metal oxide nanosturctures for superhydrophobicity, photocatalysis, luminescence, SERS and useful electrical properties.</p> <p>Dr. Tarasankar Pal D/o Chemistry, IIT Kaharagpur tpal@chem.iitkgp.ernet.in</p>

