

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

Progress Reports (Science of Nanoscale Systems) - Projects < 50 lakh

CONTENTS

**Session 2 : 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-1198/2013 Computational nano-Engineering of patterned nanostructures. Dr. Arti Kashyap , IIT–Mandi, Mandi arti@iitmandi.ac.in
2.	SR/NM/NS-1028/2012 Donor acceptor polymeric soft nanomaterials for optoelectronic applications. Dr. Asha S.K. , D/o Polymer Science & Engineering, NCL, Pune sk.asha@ncl.res.in
3.	SR/NM/NS-05/2012 Photovoltaic effect on rare earth doped bismuth ferrite thin films. Dr. P. Murugavel , D/o Physics, IIT-Madras, Chennai muruga@iitm.ac.in
4.	SR/NM/NS-15/2012 Optical effects in functionalized single walled carbon Nanotubes. Dr. Harsh Chaturvedi , D/o Physics, IISER, Pune hchaturv@iiserpune.ac.in
5.	SR/NM/NS-1101/2011 Topology, quantum computation and spintronics with Dirac materials. Dr. Colin Benjamin , D/o Physical Sciences, NISER, Bhubaneswar colin.nano@gmail.com
6.	SR/NM/NS-1034/2012 Design, synthesis and application of new classes of easily recoverable and reusable transition metal nanocatalysts: An extension to asymmetric synthesis. Dr. Sekar Govindasamy , D/o Chemistry, IIT –Madras, Chennai gsekar@iitm.ac.in
7.	SR/NM/NS-1088/2012 A study on feasibility and sustainability of microwave-enhanced sequential and cascade reactions using mono or bimetallic nanoparticles.

	Dr. (Mrs.) Harjinder Kaur , D/o Chemistry, Gujarat University, Ahmedabad hk_ss_in@yahoo.com
8.	SR/NM/NS-1062/2012 Investigation and analysis of nonequilibrium quantum transport and magnetization dynamics in magnetic molecular nanoelectronic devices with optimized electrode topology. Dr. Arijit Sen , SRM University, Kanchipuram arijit.s@res.srmuniv.ac.in
9.	SR/NM/NS-1034/2011 Recyclable magnetic nanoparticles supported catalysis for enantioselective synthesis. Dr. Jyotirmayee Dash , D/o Organic Chemistry, IACS, Kolkata jyotidash@iiserkol.ac.in
10.	SR/NM/NS-18/2011 Magnetic nanoparticles as catalyst for carbon-carbon bond forming reactions. Dr. Prodeep Phukan , D/o Chemistry, Gauhati University, Guwahati pphukan@yahoo.com
11.	SR/NM/NS-47/2013 Ab-initio investigations of structural and electronic properties of Zn (Cd)-VI nanowires. Dr. Anurag Srivastava , ABV-IIT&M, Gwalior profanurag@gmail.com
12.	SR/NM/NS-1052/2013 Hydrogen-bonding mediated nano structured supramolecular assembly of donor- acceptor building blocks. Dr. Suhrit Ghosh , D/o Polymer Science, IACS, Kolkata suhritg@gmail.com
13.	SR/NM/NS-26/2013 Investigations on photoinduced reactions of certain porphyrins with metal nanoclusters modified TiO ₂ . Dr. R. Renganathan , School of Chemistry, Bharathidasan University Tiruchirappalli. rregas55@yahoo.com
14.	SR/NM/NS-1043/2011 Studies on dynamic behaviour of water in CNT and application to filtration. Dr. Sarith P Sathian , School of Nano S&T, NIT, Calicut sarith@nitc.ac.in
15.	SR/NM/NS-1123/2013 Nanoscale modelling of energy- storage materials. Dr. Ravindran Ponniah , D/o Physics, Central University of Tamil Nadu, Thiruvavur raviphy@cutn.ac.in

16.	<p>SR/NM/NS-1288/2014</p> <p>Two dimensional infrared (2D-IR) spectroscopic studies of molecular relaxation of nano-confined water and aqueous binary mixtures: Role of ions, composition fluctuations and dynamic heterogeneity.</p> <p>Dr. Biman Bagchi, D/o SSCU, IISc, Bengaluru profbiman@gmail.com</p>
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