Poster Schedule

Session 1

Wednesday: 06.12.2017, Mounting Time: 14:15-18:00

Poster Session: 16:30-1800

Theme: Synthesis and Characterizations

I. Synthesis and Characterizations Part I

6E-Poster-01	**Sheeraz Ahmad Bhat** Mohd Faizan Mohd Ikram	**Syn. & Char._93-ICN3I** Synthesis, Reitveld refinments and photoluminescence study of Eu^{3+} activated and Na^{+} charge-compensated $MgAl_2O_4$ nanophosphor
6E-Poster-02	**Amaresh Gunge** S.B. Kivade Nagamadhu M	**Syn. & Char._109-ICN3I** Influence of Acetic Acid Surface Treatment on Mechanical and Thermomechanical Structural Stability of Banana Reinforced with PVA (Polyvinyl Alcohol) Composites
6E-Poster-03	**Hadeel Salih Mahdi** Azra Parveen Mawlood Maajal Ali Ameer Azam	**Syn. & Char._133-ICN3I** Microstructural and optical properties of Indium Oxide
6E-Poster-04	**Mawlood Maajal Ali** Azra Parveen Hadeel Salih Mahdi Ameer Azam	**Syn. & Char._136-ICN3I** Microstructural and optical properties of Silver doped Cadmium Sulphide
6E-Poster-05	**Harish Ramesh** Allan Dojo Kishore Dinakaran	**Syn. & Char._155-ICN3I** Evaluation of Mechanical Behaviour of Natural Fibre Reinforced Composites using Numerical Analysis
6E-Poster-06	**D. Karthik** Animesh Mandal S. Deepak Kumar	**Syn. & Char._190-ICN3I** Fatigue Analysis of A356-5TiB_2 Nano-in-situ composites
6E-Poster-07	**Ansel Mely L** Annie Vinosha P Jerome Das S	**Syn. & Char._206-ICN3I** Effect Of Reaction Time On Structural And Optical Properties Of Cu_2SnS_3 Nanoparticles
6E-Poster-08	**Nisha Choudhary** Devinder Singh	**Syn. & Char._249-ICN3I** Effect of calcination temperature on structural and magnetic properties of $La_{0.5}Sr_{0.5}Fe_{0.5}Ti_{0.5}O_3$ synthesized by modified polymeric precursor method

6E-Poster-09	**Suman Sharma** Devinder Singh	**Syn. & Char._251-ICN3I** Nanocrystalline cobalt ferrite synthesized by glycine-nitrate combustion method incorporated with chromium: comparison with bulk sample
6E-Poster-10	**Narayan Dutt Sharma** Devinder Singh	**Syn. & Char._252-ICN3I** Structure Distortion and Magnetism in Perovskite
6E-Poster-11	**Mukesh Kumar Verma**	**Syn. & Char._264-ICN3I** Effect of A-site cation size on the structural and physical properties of mixed-valence perovskite manganites
6E-Poster-12	**Naresh Kumar** Prasanta Kumar Hota	**Syn. & Char._463-ICN3I** Substituent induced structure and photochemical properties of ethenyl furan
6E-Poster-13	**Aparna Gangele** Ashok Kumar Pandey	**Syn. & Char._497-ICN3I** Vibrational characteristics of functionally graded graphene-silicon nanosheet composites
6E-Poster-14	**Shama Parveen** R.P. Yadav S.N. Pandey	**Syn. & Char._527-ICN3I** Fractal analysis of nanostructure formation on InP(100) surfaces after ion beam bombordment
6E-Poster-15	**Jyotsana Negi** Surendra Singh N. S. Panwar	**Syn. & Char._541-ICN3I** Dielectric and Structural Anomaly in $Na_{1-X}K_xNbO_3$, at x = 0.315
6E-Poster-16	**Ripan K. Biswas** Anoop K. Mukhopadhyay Jiten Ghosh Muraleedharan Kuttanellore	**Syn. & Char._575-ICN3I** Study of Structural Transformation during Thermal Decomposition in Aluminum Hydroxide by Pair Distribution Function using Ag radiation in Laboratory XRD system
6E-Poster-17	**Manoj Bhalwankar** Dr. S. A. Mastud	**Syn. & Char._638-ICN3I** A Review On Structure Propery Relationship: Factors Affecting Mechanical Properties Of Polymer Nanocomposites
6E-Poster-18	**Madhab Bera** Pradip K. Maji	**Syn. & Char._642-ICN3I** Graphene induced compatabilization of polymer blend based on poly (vinylidene fluoride) and thermoplastic polyurethane
6E-Poster-19	**Ganesh S. Lohar** Bhagwan F. Jogi	**Syn. & Char._650-ICN3I** Influence of carbon black on morphology, mechanical behaviour of polypropylene (PP) / acrylonitrile-butadiene styrene copolymer (ABS) composite with and without maleic anhydride-gafted polypropylene (PP-G-MA) compatibilizer

6E-Poster-20	**Ramandeep Kaur** Vibhav Katoch Jadab Sharma	**Syn. & Char._688-ICN3I** Synthesis of hybrid plasmonic nanostructures for SERS studies
6E-Poster-21	**Manonmani Mohandoss** Anith Nelleri Shihabudheen M Maliyekkal	**Syn. & Char._695-ICN3I** Optical Properties of Sunlight Reduced Graphene Oxide
6E-Poster-22	**Pankaj Kumar** Diliraj Upadhaya Debarun D. Purkayastha	**Syn. & Char._754-ICN3I** Superhydrophilic behavior of TiO_2/ZnO bilayer thin films under UV irradiation
6E-Poster-23	**Chandni Kumari** Ambesh Dixit	**Syn. & Char._791-ICN3I** Effect of different precursor on structural, optical and electronic properties of CVD synthesized zinc oxide
6E-Poster-24	**Trupti Gajaria** Bhumi Baraiya Venu Mankad Shweta Dabhi Prafulla Jha	**Syn. & Char._960-ICN3I** Ab initio High Pressure Electronic, Vibrational and Thermoelectric Study of Lead Selenide
6E-Poster-25	**Sukriti Khera** Prakash Chand	**Syn. & Char._967-ICN3I** Effect of annealing temperature on the optical and complex impedance properties of SnO_2 nanostructures
6E-Poster-26	**Akhil K N** M. Sivakumar A. Uma Maheswari	**Syn. & Char._987-ICN3I** Enhancement of optical properties of TiO_2 thin films through optimization of annealing temperature
6E-Poster-27	**Riya Sadhukhan** T. K. Nath	**Syn. & Char._1060-ICN3I** Multiferrocity in chemically synthesized Co doped $BaTiO_2$ perovskite structures
6E-Poster-28	**Renuka Chauhan** R. C. Srivastava S. Ojha V. Ganesan	**Syn. & Char._1091-ICN3I** A Structural morphology of $BaTiO_3/Ni_{0.5}Zn_{0.5}Fe_2O_4$ bilayer Multiferroics thin film on ITO substrate

II. Synthesis and Characterizations Part II

6E-Poster-29	**Sandeep Kumar** Narendra Mohan Suri Suman Kant Pankaj	**Syn. & Char._25-ICN3I** Nanocarbon materials for self-lubricating metal matrix nano composites: A Review
6E-Poster-30	**K. V. Maheshkumar** K. Krishnamurthy R. Rajasekar P. Sathishkumar Samir Kumar Pal Kaushik Pal	**Syn. & Char._65-ICN3I** Development of Compatibilized Graphene Oxide Based Polypropylene Nanocomposites
6E-Poster-31	**M. Harikrishna Kumar** S. Shankar R. Rajasekar S. K. Pal P. Sathishkumar	**Syn. & Char._66-ICN3I** Influence of Hybrid Filler on the Technical Properties of SBR Compounds
6E-Poster-32	**T. Tamilarasi** R. Rajasekar K. Saminathan T. K. Kannan K. Sasikumar	**Syn. & Char._70-ICN3I** Augmentation in Heat Transfer Rate By Design Changes and Thin Film Coating of Carbon Based Nano Materials
6E-Poster-33	**A. Mohankumar** R. Parameshwaran R. Rajasekar T. K. Kannan	**Syn. & Char._71-ICN3I** Experimental Investigation of Physico Mechanical Behavior of Nanoclay With Abaca Fiber Reinforced Polyester Composite
6E-Poster-34	**C. Sathishranganathan** R. Rajasekar N. Saravanan T. Mohanraj K. V. Maheshkumar	**Syn. & Char._72-ICN3I** Investigation on Mechanical Properties of Aluminium 6063 with Basalt Powder
6E-Poster-35	**Savita Singh** Alok Singh Sudhir K Sharma	**Syn. & Char._78-ICN3I** Mechanical Strength, Thermal Conductivity and Fractography of Micro-scaled Date Seed Powder Reinforced Epoxy Composites
6E-Poster-36	**S. Deepapriya** P. Annie Vinosha John. D. Rodney Krishnan S S. Jerome Das	**Syn. & Char._80-ICN3I** Effect of Lanthanum substitution on magnetic and structural properties of Nickel ferrite synthesized by Co-precipitation
6E-Poster-37	**Subhankar Das** Sudipta Halder Nazrul Islam Khan	**Syn. & Char._88-ICN3I** Influence of acoustic cavitation mixing on tensile and fracture properties of oxidized fullerene-epoxy nanocomposites

6E-Poster-38	**Rakesh Kumar Sahu**	**Syn. & Char._107-ICN3I** Production of C/SiC Nanotubes by Arc Plasma Treatment
6E-Poster-39	**Jagdish W. Dadge** Kashinath A. Bogle	**Syn. & Char._110-ICN3I** Evolution of Nonlinear Optical Properties from Ag-Au coreshell clusters
6E-Poster-40	**Shraddha Agrawal** Azra Parveen Ameer Azam	**Syn. & Char._124-ICN3I** Temperature depended dielectric analysis of Co doped NiO
6E-Poster-41	**Gaurav Arora** Himanshu Pathak	**Syn. & Char._127-ICN3I** Multi-Scale Fracture Analysis of Fiber Reinforced Composites
6E-Poster-42	**Abhijeet Ghosh** Bonda A. Ganesh Yuvaraju Bijoy Kumar Nanda	**Syn. & Char._130-ICN3I** Mechanical Characterization of Metal matrix composites: Review
6E-Poster-43	N. Vijay Ponraj S. Pradeep Talava **S. Aswath** P. Rajkumar	**Syn. & Char._139-ICN3I** A comparative study on mechanical properties of copper composite reinforced by zircon and zirconia
6E-Poster-44	**Sneha Sinha** Sunil K. Arora Jyotsna Inderpreet Kaur	**Syn. & Char._164-ICN3I** Optimization of Exfoliation Efficiency of bulk WS_2 and to study its optical properties
6E-Poster-45	**B S Hari** R Rajasekar T K Kannan	**Syn. & Char._172-ICN3I** Study On Mechanical Properties and Vibration Characteristics of Nylon 6 Nanocomposite
6E-Poster-46	**S Ramakrishnan** K Krishnamurthy R Rajasekar R Arul	**Syn. & Char._177-ICN3I** The Effect of Fiber and Nano Particle on The Mechanical Behaviour of Polyester Matrix
6E-Poster-47	**Amba Sankar K N** Sathish Kumar C Kallol Mohanta	**Syn. & Char._180-ICN3I** Highly stable aqueous dispersion of CTAB-intercalated reduced graphene
6E-Poster-48	**Tania Kalsi** Nupur Saxena Pragati Kumar	**Syn. & Char._209-ICN3I** Optical and structural studies of chemically synthesize silicon nanowires
6E-Poster-49	**Praveen Kannan Rajamani** Emiliano Bilotti	**Syn. & Char._258-ICN3I** Graphene Based Polymer Nanocomposites: The Effect of Filler Orientation and Distribution on the Electrical and Mechanical Properties

6E-Poster-50	**Apeksha Gupta** Noyel Victoria Selvam Manivannan R.	**Syn. & Char._277-ICN3I** Chemical Mechanical Planarization of Germanium using polymorphs of titania as abrasive and H_2O_2
6E-Poster-51	**Kuldeep Nigam** Reema Gabrani Shweta Dang	**Syn. & Char._278-ICN3I** Nano-emulsion from capsaicin extracts: formulation and characterization
6E-Poster-52	**Neelam Kumari Gupta** Hemant Soni	**Syn. & Char._279-ICN3I** Synthesis and characterization of Ni^{2+} and Fe^{2+} co-doped ZnS nanoparticles
6E-Poster-53	**Atinderpal Kaur** Reema Gabrani Shweta Dang	**Syn. & Char._281-ICN3I** A Poly-herbal Nano gel for UTI's: *In Vitro* and *In Vivo* studies
6E-Poster-54	**Priyasheel Sinha** A.S Parihar Rajeev Gupta R.K Tiwari	**Syn. & Char._288-ICN3I** Study on Effect of Micro ceramic particulate Reinforced Three Phase Composite for Armor Application
6E-Poster-55	**Hasmukh Gajera**	**Syn. & Char._329-ICN3I** Study on effect of Exfoliated Graphene on Graphitization of Carbon matrix Nanocomposites
6E-Poster-56	**Kanchan Roy** Antara Bhattacharjee Bijoy Kumar Nanda	**Syn. & Char._331-ICN3I** Effect of Silicon Carbide as Filler Reinforcements on the Damping Properties of Glass Fiber/epoxy Composites
6E-Poster-57	**Richa Bhargava** Shakeel Khan Naseem Ahmad Mohd Mohsin N. Ansari	**Syn. & Char._336-ICN3I** Reduction of Graphene Oxide by Hydrazine Hydrate
6E-Poster-58	**Chandini Behera** Saroj L. Samal	**Syn. & Char._353-ICN3I** Synthesis and Study of Multi-Functional Mn doped SnS Nano Crystals
6E-Poster-59	**Sengan Megarajan** Veerappan Anbazhagan	**Syn. & Char._358-ICN3I** Synthesis of taurolipids functionalized platinum nanoparticles
6E-Poster-60	Harish Ramesh Allan Dojo Joseph **Kishore Dinakaran** Ramu Murugan Sathishkumar Jothi	**Syn. & Char._438-ICN3I** Development and Characterization of Areca Fibre Reinforced Polymer Composites
6E-Poster-61	**Rutuja Deshmukh** Jitendra Naik Mrunal Waghulde Satyendra Mishra	**Syn. & Char._464-ICN3I** Development of Glipizide Loaded Sustained Release Nanoparticles

6E-Poster-62	**Rashmi Tiwari** Aastha Mishra Manojit De M. P. Sharma H. S. Tewari	**Syn. & Char._469-ICN3I** Structural Characterization in Cd modified Ni-Zn Ferrites
6E-Poster-63	**Jincemon Cyriac** Rahul M. T. Saji Augustine Sunny Mathew	**Syn. & Char._472-ICN3I** Effects of Substitution on The Structural, Optical, Dielectric and Ferroelectric Properies of Multiferroic $BiFe_{1-x}Cr_xO_3$ System
6E-Poster-64	**Priyanka Tiwari** Chandana Rath	**Syn. & Char._489-ICN3I** Jahn–Teller Distortion Dependent Magnetic Transitions in $GdMn_{1-x}Fe_xO_3$ Nanoparticles
6E-Poster-65	**Adon Jose** Jacob Chacko Jacob Mathew	**Syn. & Char._501-ICN3I** Characteristics of Fe/Co doped ZnO thin films prepared by electrostatic spray deposition
6E-Poster-66	**Sukanya Kundu** Milan Kanti Naskar	**Syn. & Char._523-ICN3I** Microwave-assisted hydrothermal synthesis of Co nanoparticles impregnated mesoporous γ-alumina for low temperature catalytic oxidation of CO
6E-Poster-67	**Neha Gupta** Mahesh Kumar Sharma Rachana Kumar	**Syn. & Char._537-ICN3I** Comparative Charge Transfer Studies in Fullerene-Porphyrin Dyads attached via 1,3 Dipolar Cycloaddition v/s Prato Reaction
6E-Poster-68	**Kanakangi S Nair** Hareesh U S Surendran K P	**Syn. & Char._569-ICN3I** Synthesis of Nano-Crystalline PZT from Metal Organic Precursors via Aminolytic Method
6E-Poster-69	Pratibha Sharma Satyendra Kumar **Aayushi Arora** Arun Kumar	**Syn. & Char._574-ICN3I** Secondary amines with organochalcogen donors as a stabilizer for development of catalytically active and recyclable palladium nanoparticles
6E-Poster-70	**Ratna Sarkar** Anuradha Mitra Subrata Sarkar Kalyan Kumar Chattopadhyay	**Syn. & Char._578-ICN3I** Faceted Growth of Morphologically Tuned of BiOCl
6E-Poster-71	**Gaurav Kumar Yogesh** Shuaib E. P. Sastikumar D.	**Syn. & Char._582-ICN3I** Synthesis of Fluorescent Carbon Nanoparticle by Laser Ablation of Carbon Charcoal in Solution

6E-Poster-72	**Rajalakshmi K** Vasudevan A	**Syn. & Char._592-ICN3I** Impact characteristics of thermoplastic nanoclay dispersed composites subjected to low velocity impact and DMA
6E-Poster-73	**Meenal Gupta** Dipankar Das Satyabrata Mohapatra Anindya Datta	**Syn. & Char._598-ICN3I** Chemical Synthesis and Magnetic Studies of Cobalt Ferrite
6E-Poster-74	**Amisha Kushwaha** Tamishraha Bagchi	**Syn. & Char._600-ICN3I** Advanced oxide nanocomposites conductive particle on flexible substrate for electrode and its comparative assessment
6E-Poster-75	**Pragya Gupta** Pradip K. Maji	**Syn. & Char._601-ICN3I** Ultralight and highly flexible aerogel based on cellulose nanofibers
6E-Poster-76	**Nilanjan Basu** Ranveer Singh Tapobrata Som Jayeeta Lahiri	**Syn. & Char._623-ICN3I** Synthesis of Hexagonal Boron Nitride film by reactive R.F Magnetron Sputtering
6E-Poster-77	**Neeraj Kumar Giri** Rajiv Prakash A. K. Rai S.B. Rai Hirdyesh Mishra	**Syn. & Char._628-ICN3I** Preparation, Characterization and spectral properties of luminescent hybrid material
6E-Poster-78	**Dhanush Shanbhag** Bindu K Aarathy A R H.S. Nagaraja	**Syn. & Char._649-ICN3I** Electrochemical properties of Ni@MnO_2-rGO Nanocomposite synthesized by single step hydrothermal method
6E-Poster-79	**Vinodha Ganesan** Cindrella Louis Shima P. Damodaran	**Syn. & Char._685-ICN3I** Synthesis, characterization, thermal conductivity and rheological studies in magnetite-decorated graphene oxide nanofluids
6E-Poster-80	**Anshu Sinhmar** Amrit Pal Toor Vivek Kumar Taranjeet Kaur	**Syn. & Char._703-ICN3I** Comparison and Experimental investigation on degradation of phenol by using Tungsten and Nitrogen codoped TiO_2
6E-Poster-81	**Shobhneek Kaur** Dwijendra Pratap Singh	**Syn. & Char._718-ICN3I** The influence of different calcining temperature on electrical properties of $CaCu_3Ti_4O_{12}$(CCTO)

6E-Poster-82	**M Burhanuz Zaman** Tarun Chandel Poolla Rajaram	**Syn. & Char._729-ICN3I** Solvothermal Synthesis of Ternary Cu_2SnS_3 (CTS) nanostructures in Ethylenediamine
6E-Poster-83	**S. Lakshmi** M. Keerthana R. Namitha K. Gopika G. Baiju B. Murali D. Kumaresan	**Syn. & Char._736-ICN3I** Highly Crystalline $BaTiO_3$ nanoparticles/TiO_2 nanorod composites for DSSC photoanode applications
6E-Poster-84	**Rajesh Kashyap** Ravi Kumar Mukesh Kumar Sachin Tyagi Dinesh Kumar	**Syn. & Char._743-ICN3I** Synthesis and Characterization of the Cobalt Spinel Ferrite Nanoparticles by Auto Combustion Method
6E-Poster-85	**Tejal Barkhade** Indrani Banerjee	**Syn. & Char._747-ICN3I** Optical properties of Fe doped TiO_2 composites synthesized by Sol-gel technique
6E-Poster-86	**Kashan Khan** Mohd Aamir Qureshi Javed Musarrat Saleem Javed	**Syn. & Char._751-ICN3I** Synthesis and functionalization of silver nanoparticles with ampicillin
6E-Poster-87	**Jai Mishra** Pankaj Sharma Vishal Jangir Sunil Kumar Sharma	**Syn. & Char._755-ICN3I** Synthesis and Characterization studies of ZnSe quantum dots processed at room temperature
6E-Poster-88	**Ram Pratap Yadav** D. C. Agarwal Manvendra Kumar Parasmani Rajput S.N. Pandey A. K. Mittal	**Syn. & Char._760-ICN3I** Ion Beam Induced Surface Modification of ZnO Thin Films Studied by Fractal Approach
6E-Poster-89	**Gajendar Singh** Manu Sharma	**Syn. & Char._788-ICN3I** Synthesis and characterization of graphene oxide conjugated cerium molybdate nanocomposites
6E-Poster-90	**Arti Jangra** Jaiveer Singh Ramesh Kumar	**Syn. & Char._797-ICN3I** Surface Modified Superparamagnetic Iron Oxide Nanoparticles
6E-Poster-91	**K. Mahendra** N.K. Udayashankar	**Syn. & Char._807-ICN3I** Synthesis and characterization of organometallic potassium oxalate oxalic acid dihydrate single crystals

6E-Poster-92	**Vibha Verma** Manpreet Kaur	**Syn. & Char._811-ICN3I** Synergistic adsorption and degradation of malachite green using cobalt ferrite nanoparticles
6E-Poster-93	**Tarun Chandel** M Burhanuz Zaman Shailendra Kumar Dwivedi Poolla Rajaram	**Syn. & Char._823-ICN3I** Sonochemically Synthesized CZTS nanocrystals and their characterizations
6E-Poster-94	**Ajaib Singh** Susanne Schipmann Aakash Mathur Dipayan Pal Rinki Singh Uwe Klemradt Sudeshna Chattopadhyay	**Syn. & Char._919-ICN3I** Zinc oxide / polymer nanocomposites: Optical properties and growth mechanism of zinc oxide in polymer matrix
6E-Poster-95	**Atul Kumar** Kaushik Pal Suhrit Mula	**Syn. & Char._927-ICN3I** Characterization of microstructural evolution and mechanical properties of cryorolled Al7075-SiC nanocomposites
6E-Poster-96	**Seshaiah Turaka** Vijayakumarreddy K	**Syn. & Char._938-ICN3I** Effect of Hybrid MWCNTs/Graphene on Mechanical properties of reinforced unidirectional E-Glass/Epoxy composite
6E-Poster-97	**Love Dashairya** Manisha Sharma Soumen Basu Partha Saha	**Syn. & Char._940-ICN3I** Flower-like SnS_2 for photocatalytic dye degradation under visible light
6E-Poster-98	**Parth Kapatel** Rasmika Patel	**Syn. & Char._944-ICN3I** Studies on an effect of the size of waterborne polyurethane nanoparticles on properties and performance of coatings
6E-Poster-99	**Ravi Kumar** Anil kumar Rakesh singh Rajesh Kashyap Sumita Rani Mukesh Kumar Dinesh Kumar	**Syn. & Char._946-ICN3I** Surface modification of Graphene Oxide using Esterification
6E-Poster-100	**P. H. Kachhia** R. H. Patel S. Sharma	**Syn. & Char._949-ICN3I** Studies on the high thermal conduction fluid by incorporating CuO nanoparticles in a liquid coolant

6E-Poster-101	**Amudha A** Nagaraja H S Shashikala H D	**Syn. & Char._950-ICN3I** Characterization of Hydrothermally Synthesized Alumina-graphene oxide composites
6E-Poster-102	**Kanika Upadhyay** Sanjeev Gautam Navdeep Goyal	**Syn. & Char._973-ICN3I** $CoSb_3$ hydrothermal synthesis: Phase evolution
6E-Poster-103	**Pronay Makal** Debajyoti Das	**Syn. & Char._1003-ICN3I** Significant band gap narrowing of reduced monoclinic TiO_2 (B) porous nanowire decorated by ternary hybrid of Cu/Cu_2O-nanoparticle for efficient visible light absorption
6E-Poster-104	**O.S. Asiq Rahman** Biswajyoti Mukherjee Sony Priyadershini Anup Kumar Keshri	**Syn. & Char._1049-ICN3I** Graphene Nanoplatelets Reinforced Plasma Sprayed Alumina Coating with Improved Mechanical Properties
6E-Poster-105	**Ranjith P** Athira Anil M.M. Shaijumon	**Syn. & Char._1102-ICN3I** Electrochemically exfoliated few-layered phosphorene quantum dots
6E-Poster-106	**Sandeep Pande** Manoj Karakoti Sunil Dhali Chetna Tewari N. G. Sahoo	**Syn. & Char._1150-ICN3I** Remediation of Solid Plastic Waste into Value Added Synthesis of Graphene Nano Flakes: an Invincible Method of Solid Waste Management for Better Tomorrow

Session 2

Thrusday: 07.12.2017, Mounting Time: 09:30-13:00

Poster Session: 11:30-13:00

Theme:

I. Sensors & Actuators

7M-Poster-01	**Deepti S. Nayak** Nagaraj P. Shetti	**Sens. & Act._97-ICN3I** Electrosensing tool for nonsteroidal drug flufenamic acid at multiwalled carbon nanotubes modified graphite electrode
7M-Poster-02	**Aishwarya K. Chikorde** Nagaraj P. Shetti Shweta J. Malode Deepti S. Nayak Raviraj M. Kulkarni	**Sens. & Act._99-ICN3I** Nanoclay sensor for the electroanalysis of nimesulide and its analytical applications
7M-Poster-03	**Annapurna Totaganti** Shweta J. Malode Deepti S. Nayak Nagaraj P. Shetti	**Sens. & Act._100-ICN3I** Voltammetry and analytical applications of hydrochlorothiazide at graphene oxide modified glassy carbon electrode
7M-Poster-04	**Urfa Chaman Shaikh** Nagaraj P. Shetti Shweta J. Malode Deepti S. Nayak Raviraj M. Kulkarni	**Sens. & Act._102-ICN3I** Nanomolar determination of 1,3-dimethylxanthine at graphene oxide and nanoclay composite electrode
7M-Poster-05	**Shilpa B. Pujari** Nagaraj P. Shetti Shweta J. Malode Shikandar D. Bukkitgar Raviraj M. Kulkarni	**Sens. & Act._115-ICN3I** Electro-oxidation and determination of nimesulide at nanosilica modified sensor
7M-Poster-06	**Rihana Hosamani** Nagaraj P. Shetti Shweta J. Malode Shikandar D. Bukkitgar	**Sens. & Act._121-ICN3I** Nanosilica modified sensor for the electro-oxidation and determination of an antihistamine drug
7M-Poster-07	**Adarsh B. Bandi** Nagaraj P. Shetti Shweta J. Malode Shikandar D. Bukkitgar Raviraj M. Kulkarni	**Sens. & Act._122-ICN3I** Electroanalysis of 1,3-dimethylxanthine at zinc oxide nanoparticles modified electrode
7M-Poster-08	**Abhinandan A. Janaj** Nagaraj P. Shetti Shweta J. Malode Shikandar D. Bukkitgar Raviraj M. Kulkarni	**Sens. & Act._123-ICN3I** TiO_2 nanoparticles modified sensor for theophylline drug

7M-Poster-09	**Pavamana M** Nagaraj P. Shetti Shweta J. Malode Shikandar D. Bukkitgar	**Sens. & Act._129-ICN3I** Nano-level detection and analysis of an antiviral drug at ZnO nanoparticles modified sensor
7M-Poster-10	**Nishank Navelkar** Nagaraj P. Shetti Shweta J. Malode Raviraj M. Kulkarni	**Sens. & Act._135-ICN3I** ZnO nanoparticles modified sensor for the electroanalysis of Thiosalicylic acid
7M-Poster-11	**Arushi Gupta** Sanjeev K Bhardwaj Akash Deep Amit L Sharma	**Sens. & Act._140-ICN3I** Electrochemical Activation of MIL-53 MOF and Its Application in Sensing of Urea
7M-Poster-12	**Anand R. Kulkarni** Nagaraj P. Shetti Shweta J. Malode Raviraj M. Kulkarni	**Sens. & Act._141-ICN3I** Development of a sensor for thiosalicylic acid at MWCNT modified gold
7M-Poster-13	**N. Nithyavathy** S. Arunkumar R. Rajasekar S. Satheesh Kumar R. Thangavel M. Malaidurai	**Sens. & Act._174-ICN3I** Fabrication of Nanostructured TiO_2 With Ni/Cu Doping For Gas Sensing Applications
7M-Poster-14	Jayaraman A **Karthiga Shenbagam**	**Sens. & Act._186-ICN3I** Corrosion Monitiring of Concrete Structures Using Zirconium Oxide Potential Sensors (NDT)
7M-Poster-15	**Pramanand Kumar** Brajesh Kumar Chandramika Bora Abhijit Mondal Pradip Kumar Sukul Subrata Das	**Sens. & Act._189-ICN3I** Graphene-nitrogenous bases hybrid materials: Synthesis, characterization and application in metal ion sensing
7M-Poster-16	**Rubina M. Yaragatti** Shweta J. Malode Nagaraj P. Shetti Deepti S. Nayak Raviraj M. Kulkarni Sadashiv B. Halbhavi Akshata F. Dandin Deepa C. Idli Sneha S. Kalmani Veeraj A. Randewadi	**Sens. & Act._199-ICN3I** A novel sensor based on graphene oxide nanoparticles for the detection and analysis of an antihistamine drug

7M-Poster-17	**Deepti Joshi** Nagaraj P. Shetti Shweta J. Malode Deepti S. Nayak	**Sens. & Act._233-ICN3I** ZnO Nanoparticles Modified Sensor: A device for Electro-oxidation of Methdilazine
7M-Poster-18	**Kalpa C. Naik** Nagaraj P. Shetti Shikandar D. Bukkitgar Shweta J. Malode Harsha P. Uskaikara	**Sens. & Act._317-ICN3I** Voltammetric sensor for secretolytic agent ambroxol at titanium dioxide nanoparticles modified electrode
7M-Poster-19	**Anshu Sharma** Ritu Malik Vijay K. Tomar Satya Pal Nehra	**Sens. & Act._365-ICN3I** Highly Sensitive, Selective and Low Temperature Operating n-butanol Gas Sensor Based on In(III)-SnO_2 Loaded Cubic Mesoporous g-CN
7M-Poster-20	**Sankar Das** Subhra Jana	**Sens. & Act._391-ICN3I** Carbon Dioxide Adsorption in Clay Based Nanocomposites and its Adsorption Mechanism
7M-Poster-21	**Suyash Mane** Sanghamitra Chatterjee	**Sens. & Act._435-ICN3I** Development of Nanomaterial Modified Sensors for the Electrocatalytic Oxidation of Paeonol in Biological Fluids
7M-Poster-22	**Suman Yadav** Chullikkattil P. Pradeep	**Sens. & Act._505-ICN3I** Fluorescent chemosensor based on 8-hydroxyquinoline for cobalt ion detection.
7M-Poster-23	**Monika** Kailash C. Jena Narinder Singh	**Sens. & Act._521-ICN3I** Organic Nanoparticles of Naphthalimide based Receptors for Fluorometric Appraisal of HSO^-_4 in Aqueous Medium
7M-Poster-24	**Meenakshi Verma** Narinder Singh	**Sens. & Act._524-ICN3I** Determination of Silver Ion Using Polyamine Based Ratiometric Chemosensor In Aqueous Medium And Silver Sink Effect
7M-Poster-25	**Dhananjay Sahu** Raj Kumar Sahu Karali Patra	**Sens. & Act._549-ICN3I** Effect of Laser power on Uniaxially Strained VHB 4910 dielectric elastomer by Raman Spectroscopy
7M-Poster-26	**Uzma Salmaz** Arshi Salamat Tarikul Islam	**Sens. & Act._553-ICN3I** Fractional Order Sensor For Measuring The Quality of Milk
7M-Poster-27	**Chetan V. Moolya** Nagaraj P. Shetti Deepti S. Nayak	**Sens. & Act._593-ICN3I** Clay coated carbon electrode sensor for a food dye sunset yellow

7M-Poster-28	**Keerti S. Joshi** Nagaraj P. Shetti Deepti S. Nayak Akshata P. H.	**Sens. & Act._613-ICN3I** Silica gel modified electrode for acetaminophen - An electrochemical sensor
7M-Poster-29	**Devaraj S. Patil** Nagaraj P. Shetti Deepti S. Nayak Rohan S. Revankar	**Sens. & Act._622-ICN3I** Fabrication of multi-walled carbon nanotubes and ZnO nanoparticles composite electrode as a sensor for paracetamol
7M-Poster-30	**Jatin Bhatia** Aman Khurana Karunesh K. Shukla	**Sens. & Act._634-ICN3I** Static analysis of laminated composite plates embedded with piezoelectric actuators
7M-Poster-31	**R. Vishnuraj** Keerthi G Nair P Biji	**Sens. & Act._680-ICN3I** Structural and Electrical Characterizations of Cu_2SnS_3 Microflowers and Core-shell Hybrid ZnO@Cu_2SnS_3 p-n Heterojunction Nanorods
7M-Poster-32	**Pratik V. Shinde** Dattatray J. Late	**Sens. & Act._776-ICN3I** Synthesis of TiO_2 Nanoflower and its application for humidity sensor
7M-Poster-33	**Bikash Borah** Gunda Rajitha Raj Kishora Dash	**Sens. & Act._786-ICN3I** Study of the Electrical, Optical, Thermal and Sensing Properties of the Graphene Oxide (GO)-PDMS Flexible Nanocomposite for Sensors and MEMS
7M-Poster-34	**Gaganpreet Kaur** Navneet Kaur	**Sens. & Act._913-ICN3I** Organic Nanoparticles of Biginelli Derivative as Sensor for Selective Recognition of Metal Ions
7M-Poster-35	**Aman Khurana** Tushar Sharma K.K. Shukla	**Sens. & Act._923-ICN3I** Analysis of pre-twisted thin walled box beam using piezoelectric actuators
7M-Poster-36	**Rahul Saxena** Sudha Srivastava	**Sens. & Act._972-ICN3I** A Sensitive and One-Step Quantification of Thyroid Stimulating Hormone Using Nanobiosensor

II. Bio-nanomaterials

7M-Poster-37	**T. Mrunalini** R. Rajasekar J. Prakash Maran K. Raghurajapandiyan	**Bio NT_69-ICN3I** Evaluation of Absorption and Diffusion Rate of the Drug in Skin Cancer Therapy for Enhancing The Drug Delivery System
7M-Poster-38	**Indranil Chakraborty** Kalyan Mandal	**Bio NT_85-ICN3I** Design and development of bioactive α-hydroxy carboxylate group modified $MnFe_2O_4$ nanoparticle: Comparative fluorescence study, magnetism and DNA nuclease activity
7M-Poster-39	**Arpita F. Meti** Shweta J. Malode Deepti S. Nayak Nagaraj P. Shetti	**Bio NT_101-ICN3I** Multi-walled carbon nanotubes modified glassy carbon electrode for the Electroanalysis of methdilazine, an antihistamine drug
7M-Poster-40	**Aravind B. Todakar** Nagaraj P. Shetti Umesh S. Devarushi Suresh M. Tuwar	**Bio NT_103-ICN3I** Electro oxidation and analytical applications of valacyclovir at reduced graphene oxide modified carbon paste electrode
7M-Poster-41	**Rakshanda S. Kudchi** Nagaraj P. Shetti Shweta J. Malode Aravind B. Todakar	**Bio NT_104-ICN3I** Electroanalysis of an antihistamine drug at nano structured modified electrode
7M-Poster-42	**Yogesh G. Joshi** Chaitali M. Baramase Nitesh S. Surkar Rahul J. Badwaik Ankit E. Tidke Kamlesh E. Barange Suraj S. Yadav	**Bio NT_111-ICN3I** Development of simulation framework for analyzing the nano medical implant: Virtual simulation of cardiovascular stent for percutaneous coronary intervention
7M-Poster-43	**Souvanik Talukdar** Rupali Rakshit Kalyan Mandal	**Bio NT_112-ICN3I** Facile Surface Modification of Nickel Ferrite Nanoparticles for Inherent Multiple Fluorescence and Catalytic Activities
7M-Poster-44	**Imran Khan** Ravikiran Jayati Ray Dutta Ramakrishnan Ganesan	**Bio NT_118-ICN3I** *Lactobacillus sps.* Lipase capped Gold nanoparticles cytotoxic evaluation
7M-Poster-45	**Nidhi G. Talikoti** Umesh S. Devarushi Suresh M. Tuwar Nagaraj P. Shetti Shweta J. Malode	**Bio NT_120-ICN3I** Electrochemical behavior of mefenamic acid at graphene oxide modified carbon paste electrode

7M-Poster-46	**Umesh S. Devarushi** Nagaraj P. Shetti Shweta J. Malode Suresh M. Tuwar	**Bio NT_171-ICN3I** Electro oxidation and analytical applications of nimesulide at graphene oxide and reduced graphene oxide modified carbon paste electrode
7M-Poster-47	**Manju Reddy** Nagaraj P. Shetti Deepti Nayak Shweta Malode Uday Muddapur	**Bio NT_207-ICN3I** Electrochemical oxidation of food dye at nanosilica modified carbon electrode
7M-Poster-48	**Komal Vig** Shreekumar Pillai Shree R. Singh	**Bio NT_222-ICN3I** Antibacterial Activity of Silver Nanoparticles against Food Borne Pathogenic Bacteria
7M-Poster-49	**Abhishek Srivastava** Anjali Prajapati	**Bio NT_240-ICN3I** Production of Albumin Nanoparticles Using Eggwhite: As carrier for nanobiomedicine
7M-Poster-50	**Krishna Velugula** Jugun Prakash Chinta	**Bio NT_310-ICN3I** Gold nanoparticles based colorimetric assay for monitoring Cu(II) levels: A viable diagnostic tool for Wilson's and Alzheimer's disease
7M-Poster-51	**Harsha P. Uskaikar** Nagaraj P. Shetti Shikandar D. Bukkitgar Shweta J. Malode Nikita V. Jamakandi Manu T. M	**Bio NT_318-ICN3I** Applications of zinc oxide nanoparticles as an electrode modifier for ambroxol
7M-Poster-52	**Bablu Lal Rajak** Rahul Kumar L. Robindro Singh Manashjit Gogoi Thyanswer Challam	**Bio NT_327-ICN3I** Template free sonochemical synthesis of mesoporous zinc oxide nanosheets for nanomedicine
7M-Poster-53	**Siva Bala Subramaniyan** Veerappan Anbazhagan	**Bio NT_335-ICN3I** A Novel Approach To Minimize The Dosage Use Of Copper Sulfide Nanoparticles Against Infectious Bacteria
7M-Poster-54	**Richa Saxena** J.N. Srivastava Vikas Mahajan	**Bio NT_346-ICN3I** Biogenic synthesis of silver nanoparticles from mango peels revealing their antibacterial effect on pathogenic bacteria *Eschericha coli.*

7M-Poster-55	**Manali M. Patil** Nagaraj P. Shetti Deepti S. Nayak Shweta J. Malode Tirumal R. Chakklabbi	**Bio NT_377-ICN3I** Electroanalysis of paracetamol at nanoclay modified graphite electrode
7M-Poster-56	**Atul Sudame** Ganeshlenin Kandasamy Dipak Maity	**Bio NT_404-ICN3I** Polymeric encapsulated superparamagnetic iron oxide nanoparticles for cancer therapy application
7M-Poster-57	**Rahul Kumar** Bablu Lal Rajak L. Robindro Singh Manashjit Gogoi Thyanswer Challam	**Bio NT_415-ICN3I** Synthesis and evaluation of small Mesoporous Silica Nanoparticles for antimicrobial activity
7M-Poster-58	**S. S. Kole** V. D Gotmare R.B. Athawale	**Bio NT_422-ICN3I** Eco-Friendly Nano-Emulsion for Development of Disposable Antimicrobial Textile Structures for Healthcare Application
7M-Poster-59	**Jyoti** Om Prakash	**Bio NT_465-ICN3I** One Step Green Synthesis of Gold Nanoparticles using Turnip Seed Extract for Subsequent Biomolecule Immobilization
7M-Poster-60	**Chanchal Sharma** Soami P. Satsangee M.M. Srivastava	**Bio NT_466-ICN3I** Green Synthesis of Silver Nanoparticles Using Syzygium aromaticum and their antioxidant activity
7M-Poster-61	**Priya Kumari** Masood Alam	**Bio NT_470-ICN3I** Biogenic synthesis of Ag-NPs using aqueous solution of *Tabernaemontana divaricate* leaf extract and their characterization
7M-Poster-62	**Meenakshi Gautam** Deenan Santhiya	**Bio NT_506-ICN3I** Rheological studies on pectin based edible hydrogels for oral delivery
7M-Poster-63	**Monidipa Konar** Harekrushna Sahoo	**Bio NT_515-ICN3I** Spectroscopy assisted Bone Morphogenetic Protein-2 nanoparticle interactions: An insight into Bone Extracellular Matrix
7M-Poster-64	**Shanka Walia** Amitabha Acharya	**Bio NT_517-ICN3I** Biocompatible fluorescent carbon dots as a new class of molecular imaging probe
7M-Poster-65	**Shweta Yadav** Soam Prakash	**Bio NT_563-ICN3I** Effect of LASER wavelengths and colours on the geometries of Gold Nanoassemblies

7M-Poster-66	**Aditya Teja K.V.V.N.S.K Guduru** Parmeshwar Dawangave Mukty Sinha	**Bio NT_590-ICN3I** Nanofiberous coating for Bare Metal Stents: A comparative study of coaxial and monoaxial modes
7M-Poster-67	**Gurunarayanan Harith** Konathala Ravi Shankar Ajay Kumar Vipul Sharma Suneel Kumar Venkata Krishnan	**Bio NT_609-ICN3I** Role of proteins in tuning the photocatalytic activity of Au-gC3N4 nanohybrids
7M-Poster-68	**Charu Garg** A. Priyam A. Gupta A. K. Sharma P. Kumar	**Bio NT_616-ICN3I** Amphiphilic polysaccharide based carrier for colonic delivery of drugs
7M-Poster-69	**Tripti Chhabra**	**Bio NT_626-ICN3I** Multifunctional Ternary Nanocomposites of MnO_2 Nanosheets Loaded on gC_3N_4-RGO Nanosheets for Photocatalytic Environmental Remediation and Biomass Conversion Applications
7M-Poster-70	**Nisha Kumari** Ramachandran Balaji Vipul Sharma Venkata Krishnan	**Bio NT_627-ICN3I** Bioinspired functional materials for biomedical applications
7M-Poster-71	**Bhawna Pawar** Devendra Singh Negi	**Bio NT_707-ICN3I** Antioxidant and antifungal potential of green synthesized silver nanoparticles from *Cupressus sempervirens* fruit extract.
7M-Poster-72	**Deepika Jamwal** Dolly Rana Akash Katoch	**Bio NT_737-ICN3I** Gemini surfactant Assisted Growth of NiO Nanoparticles for Antibacterial Applications
7M-Poster-73	**Rohini C. Yevale** Sushma G. Sabharwal	**Bio NT_769-ICN3I** Immobilisation of peroxidase on carbon nanotube and its biochemical characterization
7M-Poster-74	**Bilal Ahmed** Mohammad Saghir Khan Javed Musarrat	**Bio NT_774-ICN3I** Phytotoxic impact of Al_2O_3 and CuO nanoparticles on onion (*Allium cepa*) and tomato (*Solanum lycopersicon*): A study on growth dynamics and cell death
7M-Poster-75	**Avanish Singh Parmar** Vikas Nanda	**Bio NT_784-ICN3I** Self-Assembled Nano- and Micro- Structures of Collagen-mimetic Peptide

7M-Poster-76	**Anudeep Kaur** Chander Parkash Eleonore Blaurock-Busch Yvette M. Busch Albert Friedle Holger Buerner	**Bio NT_790-ICN3I** Hair as Biomarker for determining heavy metal load in Cancer Patients
7M-Poster-77	**P. Saminathan** M. SenthilKumar S. Shanmugan V. Chithambaram	**Bio NT_796-ICN3I** Tumor and Characterization of L-Lysine Monohydrochloride Dihydrate (LMHCl) Single Crystals by Slow Evaporation Method
7M-Poster-78	**Ravindra Prasad** Gupta Yamal P. Pardha Saradhi	**Bio NT_800-ICN3I** Sunlight mediated biosynthesis of Ag nanoparticles with microalgae
7M-Poster-79	**Bhagyashri Dandi** Gaytri Lomte Ravindra Kulkarni Satyendra Mishra Navin Dandi	**Bio NT_852-ICN3I** Chitosan nanoparticals synthesis from chitosan produced from thermo tolerant *Zygomycete* fungal strain
7M-Poster-80	**Jyoti Singh** Neelesh Kapoor Abha Verma	**Bio NT_860-ICN3I** A study to evaluate the effect of phyto- silver nanoparticles synthesized using *Oxalis stricta* plant leaf extract on extracellular fungal amylase and cellulose
7M-Poster-81	**Sankarshan B. M.** Shameer Ahmed Somashekar R. Umesh T. K.	**Bio NT_866-ICN3I** Comparative assessment of the suitability of Au, Ag and Au-Ag nanoparticles for radiation therapy based on their mass attenuation coefficient for ^{137}Cs gamma rays
7M-Poster-82	**Gayatri B Lomate** Satyendra Mishra	**Bio NT_886-ICN3I** Novel polystyrene antimicrobial food packaging film factionalized by TiO_2 nanoparticles.
7M-Poster-83	**Sumit S. Chourasiya** Vishnu Sharma Prasad V. Bharatam	**Bio NT_893-ICN3I** Antidiabetic drug and its complex with dendrimer, a nanocarrier for drug delivery: An atomistic level details through computational study
7M-Poster-84	**Rashmi Gupta** Padmini Padmanabhan	**Bio NT_937-ICN3I** Comparative Toxicity Study of Gold Nanoparticles Synthesized Using Biological and Chemical Methods
7M-Poster-85	**Dhirendra K. Dhruwe** Poonam Kumari V S Pandey Akash Deep Manoj K. Nayak	**Bio NT_939-ICN3I** Molecularly imprinted polymer (MIP) coated quantum dots for the selective recognition and fluorescent quantification of herbicides

7M-Poster-86	**Amrita Chakraborty** Anadi Roy Chowdhury Pubali Dhar	**Bio NT_942-ICN3I** Fabrication, Characterization and Evaluation of Bioavailability of Soya-phospholipid based Sesame Oil Nanoemulsion
7M-Poster-87	**Priyanka Kumari** Puja Khare Abha Meena	**Bio NT_983-ICN3I** A comparative study of cellulose nanofibers obtained from lignocellulosic biomass using enzymatic and acid hydrolysis methods.
7M-Poster-88	**Fanismita Mohanty** Sarat K. Swain	**Bio NT_993-ICN3I** PEMA-co-starch/GO/Ag hybrid nanocomposites: As Novel packaging material
7M-Poster-89	**Rohan Parai** Sanchita B. Ghosh	**Bio NT_1009-ICN3I** Magnesium alloy based engineered bio-nanocomposite as load bearing bone scaffold
7M-Poster-90	Upama Bhattacharjee **Sayantan Tripathy** Kishor Sarkar	**Bio NT_1031-ICN3I** Dendrimer Functionalized Nano Graphene Oxide by "Click Chemistry" for Cancer Gene Therapy
7M-Poster-91	**Nazarene Simon** Valarishisha Kharshiing D. Selvakumari Mahalakshmi V	**Bio NT_1072-ICN3I** Antibacterial activity studies of various ZnO Nanostructures synthesized by Dry Mechano-chemical and Sol-gel technique on pathogenic Bacteria found in Selaiyur Lake, Tamilnadu
7M-Poster-92	**Heena Tabassum** Asad Ahmad Sabiha Iffat Zareen Ahmad	**Bio NT_1100-ICN3I** Formulation, characterization and antimicrobial properties of *Nigella sativa* L. sprouts nanoemulsion
7M-Poster-93	**Mandeep Kour** Sushil K. Pandey	**Bio NT_1119-ICN3I** Synthesis, Characterization And Antifungal Activity Of Disubstituted Dithiophosphate Derivatives Of Titanium Tetrachloride
7M-Poster-94	**Gireesh Kumar Shroti** Saugata Hazra	**Bio NT_1126-ICN3I** Production and characterization of green plastic polymer (PHA) produced by microorganism isolated from rhizospheric region
7M-Poster-95	**Rythem Anand** Param Vir Singh Madhulika Bhagat	**Bio NT_1132-ICN3I** Evaluation of antioxidant, anticancer and antimicrobial activity of the silver nanoparticles synthesized from the rhizome of *Jurenia macrocephala*

III. Computational Nanotechnology

7M-Poster-96	**Animesh Agrawal** Suraj Mukti Ajay Kumar Verma S. K. Dhagat	**Comp. Nano_94-ICN3I** Optimization of Cone Clutch for Maximum Torque Transmitting Capacity Using Uniform Pressure Theory
7M-Poster-97	**Nayan Pundhir** Deepak Goyal Pradyut Himanshu Pathak Sunny Zafar	**Comp. Nano_128-ICN3I** Numerical Simulation of Composite Armour Subjected to Ballistic Impact
7M-Poster-98	**Raj Chawla**	**Comp. Nano_159-ICN3I** A molecular-level computational study on tribology of carbon nanotube reinforced neoprene
7M-Poster-99	**Mehul Manu** Mahipal Singh Vikash Dubey	**Comp. Nano_166-ICN3I** Theoretical Investigation of Coefficient of Volume Thermal Expansion and Volume Thermal Expansionon Al and Cu Nanomaterials
7M-Poster-100	**Gaurav Sikri** Milanpreet Kaur Ravinder Singh Sawhney	**Comp. Nano_588-ICN3I** Ramification of Inter nanotube Junctions using Non Equilibrium Green Function
7M-Poster-101	**Dhivyasri G** Rahul S G Kavitha P Arungalai Vendan S	**Comp. Nano_617-ICN3I** Investigation on The Mechanical Properties of Austentic Stainless Steels Using ANN Model
7M-Poster-102	**Aditya Bhardwaj** C. Rama Krishna	**Comp. Nano_670-ICN3I** Impact of Factors Affecting Pre-copy Virtual Machine Migration Technique for Cloud Computing
7M-Poster-103	**Mandeep** Rita Kakkar	**Comp. Nano_706-ICN3I** DFT study on interaction of p-nitrophenol on pristine, vacancy and Pt_4-doped graphene surfaces

7M-Poster-104	**Umesh Dhakal** Dhurba Rai	**Comp. Nano_820-ICN3I** Effective control of electronic current by Magnetic field in model graphene nanosheets junction: A Theoretical approach
7M-Poster-105	**Nighila V Paul** Johney Issac Jacob Philip	**Comp. Nano_922-ICN3I** Application of Wavelet Transform to the study of Lattice Dynamics of Two Dimensional Nanostructures

Session 3

Thrusday: 07.12.2017, Mounting Time: 14:15-18:00

Poster Session: 16:30-18:00

Theme:

I. Energy & Nano-electronics Part 1

7E-Poster-01	**Mandira Majumder** Ram Bilash Choudhury Anukul K. Thakur	**Energy & Nano. Elect._34-ICN3I** Electrochemical Evaluation of Rare Earth Metal Oxide (Eu_2O_3) Incorporated Polypyrrole
7E-Poster-02	R. Rajasekar T. Shanmuharajan K. Kathirvel **S. Satheesh Kumar** R. Thangavel M. Malaidurai	**Energy & Nano. Elect._68-ICN3I** Fabrication and Optical Analysis of In_2Se_3 Coated Silicon Solar Cell
7E-Poster-03	**Sharon Xaviour** Sri Jaya Suriya G Shanmugavel S Kalidasan B	**Energy & Nano. Elect._75-ICN3I** Review on Advanced Energy Materials Used in Renewable Energy
7E-Poster-04	**Shreyas Sudheendra** Rahul M. Cadambi Srikari S	**Energy & Nano. Elect._157-ICN3I** MoS_2 Nanosheets for Improving Electrode Potential Properties
7E-Poster-05	**Priyanka Meena** Mukesh Jangir Ramvir Singh V.K Sharma I.P Jain	**Energy & Nano. Elect._289-ICN3I** Mg-based Nanocomposites for hydrogen storage containing $La_{23}Nd_{8.5}Ti_{1.1}Ni_{33.9}Co_{32.9}Al_{0.65}$ alloys as additives
7E-Poster-06	**Ruby Phul** Tokeer Ahmad	**Energy & Nano. Elect._306-ICN3I** Ultra-small ruthenium oxide nanoparticles as an Efficient Nanocatalyst for Electrochemical Water Splitting
7E-Poster-07	**Mahesh Kumar Paliwal** Sumanta Kumar Meher	**Energy & Nano. Elect._408-ICN3I** Novel NiO/g-C_3N_4 composite: A new and advanced electrode material for the efficient supercapacitor

7E-Poster-08	**Yogesh Kumar Sonia** Sumanta Kumar Meher	**Energy & Nano. Elect._409-ICN3I** Novel Synthesis of $NiCo_2S_4$ for Redox-Capacitor Application
7E-Poster-09	**Molji C** Aashish A Neethu K. S Sudha J. Devaki	**Energy & Nano. Elect._446-ICN3I** Self-assembled polyaniline nanowires stippled graphene-3-pentadecylphenyl phosphate hybrid nanocomposite based green sustainable electrodes for supercapacitors
7E-Poster-10	**Subhash Chandra Shit** Pendem Saikiran John Mondal	**Energy & Nano. Elect._475-ICN3I** CoS_x@Porous Organic Polymer: A Smart and Durable Nanohybrid Photoelectrocatalyst for Water Splitting
7E-Poster-11	**Priya R. Bangle** Vidula. Sohoni	**Energy & Nano. Elect._481-ICN3I** Passive cooling for air-conditioning energy savings with Nanocoatings
7E-Poster-12	**Brijesh K** Bindu K Amudha A H S Nagaraja	**Energy & Nano. Elect._486-ICN3I** Electrochemical Properties of Polypyrrole/Zinc tungstate Nanocomposites synthesised by Hydrothermal method
7E-Poster-13	**V. Dhana Raju** P. S Kishore M. Harun Kumar	**Energy & Nano. Elect._508-ICN3I** Experimental studies on performance, combustion and emission characteristics of diesel engine fuelled with alumina oxide nano particles dispersed diesel – biodiesel blend
7E-Poster-14	**Vikas Sharma** Amreesh Chandra	**Energy & Nano. Elect._533-ICN3I** Hierarchical-porous V_2O_5 based structures for use in high performance symmetric supercapacitors
7E-Poster-15	**Samya Naqvi** Suresh Chand Rachana Kumar	**Energy & Nano. Elect._540-ICN3I** Synthesis and Electron Transport Studies of Perylene diimide based acceptors for Organic Photovoltaic Applications
7E-Poster-16	**Sushanta Lenka** Vikas Sharma Sudipta Biswas Amreesh Chandra	**Energy & Nano. Elect._542-ICN3I** Morphology driven changes in electrochemical behaviour of MnO_2 based nanostructures for supercapacitor applications

7E-Poster-17	**Prasenjit Haldar** Amreesh Chandra	**Energy & Nano. Elect._544-ICN3I** Synthesis of ZrO_2-Polyaniline-Graphene Composites with Enhanced Electrochemical Characteristics
7E-Poster-18	**Alka Pareek** J. Shanthi Sravan Venu Srivastav K S. Venkat Mohan	**Energy & Nano. Elect._565-ICN3I** Fabrication of graphene based electrodes for waste water treatment and energy generation
7E-Poster-19	**Paramita Das** Kajari Kargupta	**Energy & Nano. Elect._637-ICN3I** Polypyrrole/Reduced Graphene Oxide Composites for Supercapacitor Application: A Comparative Study
7E-Poster-20	**Ajinkya Bhorde** Ravindra Waykar Ashok Jadhavar Amit Pawbake Shruthi Nair Ganesh Lonkar Adinath Funde Sandesh Jadkar	**Energy & Nano. Elect._712-ICN3I** Study of Hydrothermally Synthesized Tin Sulfide (SnS) and its performance in Dye Synthesized Solar Cell (DSSC)
7E-Poster-21	**Amruta Ponkshe** Pragati Thakur	**Energy & Nano. Elect._720-ICN3I** Photocatalytic degradation and mineralization of Beta blocker Atenolol in aqueous suspension of TiO_2 under UV light and simulated solar light
7E-Poster-22	**Abhishek Kumar Gupta** Anjan Sil	**Energy & Nano. Elect._744-ICN3I** Comparitive studies on dielectric and energy storage performance of conventional and spark plasma sintered $PbZr_{0.52}Ti_{0.48}O_3$
7E-Poster-23	Palanikumar G. Shanmugan S. **Sangavi R.** Geethanjali P.	**Energy & Nano. Elect._778-ICN3I** Energy and Environment control to Box type Solar Cooker in bar plate coating Nano-materials and cooking pot of Thermal Image
7E-Poster-24	Shanmugan S. **Bharath M.V** Naveen B Palani. S C. Suresh	**Energy & Nano. Elect._806-ICN3I** Experimental analysis of Energy and Environment redeemable in solar Nano-basin still to improve Sullage Water Natural Treatment of Fuzzy Application

7E-Poster-25	Bhavani S. Shanmugan S. Palani Kumar G. Selvaraju P. **Monisha C** Suganya V	**Energy & Nano. Elect._812-ICN3I** Thermal image analysis of android mobile battery to Energy and Environment control using various types of applications
7E-Poster-26	**Tanumoy Dhawa** Sourindra Mahanty	**Energy & Nano. Elect._912-ICN3I** Carboxylate-bridged MOF derived Mesoporous Carbon for Application in Lithium-Sulphur Battery
7E-Poster-27	**Atin Pramanik** Sandipan Maiti Monjoy Sreemany Sourindra Mahanty	**Energy & Nano. Elect._924-ICN3I** Synthesis of metal oxide nanoparticles using common rock-salt as template for application as lithium-ion battery anode
7E-Poster-28	**Satyam Sharma** Mehtab Alam	**Energy & Nano. Elect._941-ICN3I** Charging and discharging of shell and spiral tube LHSS using Fatty Acid as a PCM
7E-Poster-29	**Md. Aatif** Abhishek Sharma Neeraj Chaudhary J. P. Tiwari	**Energy & Nano. Elect._1030-ICN3I** Fabrication and Characterization of Flexible Organic Solar cells
7E-Poster-30	**Abhishek Sharma** Md. Aatif Mihirsinh Chauhan Brijesh Tripathi Suresh Chand J. P. Tiwari	**Energy & Nano. Elect._1032-ICN3I** Investigations on environmental stability of conventional and inverted P3HT:$PC_{71}BM$ based Organic Solar Cells in view of top contact degradation

II. Energy & Nano-electronics Part II

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