

**Poster Session 1 at Conference center
14:00-15:30, 19 December, 2019**

Abstract ID	Poster No.	Poster Presenter
A1007	PA101	Dr. Jnanendra Upadhyay In-Situ Decoration of Polypyrrole Nanotubes with Silver Nanoparticles: Investigation of Thermal and Dielectric Properties
A1029	PA102	Ms. Joycy Nemneihing Haokip Investing the Solvent Effects on Morphology and Size of Surfactant Encapsulated Decavanadate Based Nano-Particles
A1044	PA103	Mr. HARI SHANKAR Aqueous Precursor Solution Assisted Stable CsPbBr ₃ Nanocrystals: Morphological Evolution
A1060	PA104	Ms. Meenaxi Saini Instantaneous Fluorogenic Detection of Nanomolar Amyloid Beta Monomer by Competitive Interactions Between Organic Fluorophore and Peptide Toward Gold Nanoparticles
A1063	PA105	Mr. Shubham Sharma Impact of the Regio Specificity in the Molecular Self Assembly in P3HT Thin Films Prepared by FTM
A1083	PA106	Mr. Pradeep Kadu Amyloid as a Template for Shape-Controlled Synthesis of Gold Nanoparticles
A1086	PA107	Mr. Pratyush Phukan Synthesis and Characterization of Ag/SiO ₂ Core/Shell Nanocomposites
A1090	PA108	Mr. Arnab Ghosh Waste to Value Added Material: Sn(II) MDF using Waste PET Bottles as Template for Synthesis of SnO ₂ Nanoparticles for Potential Manganese Remediation
A1095	PA109	Mr. Saddam Iraqi CoFe ₂ O ₄ Nanoparticles: An Efficient and Reusable Catalyst for the Synthesis of Thioether
A1098	PA110	Ms. Urvashi Sharma Synthesis of Transition Metal Doped MgO Nanoparticles Using Sol-gel Method via Substituted Brucite Precursors
A1099	PA111	Ms. Xavy Borgohain CeO ₂ Nanoparticles: Synthesis, Characterization and its Catalytic Application in Aza-Michael Reaction
A1115	PA112	Ms. Meenakshi Pahwa Fabrication of Stable Biocompatible Microcapsules via Bioorthogonal Directed Assembly of Nanoparticles at Oil-Water Interface
A1122	PA113	Mr. Abhishek Naik Optimised Drug-Phospholipid Nanomaterials through Central Composite Design- A Case Study of Olmesartan Medoxomil

Poster Session 1 at Conference center
14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
A1123	PA114	Mr. Saurabh Badole Modified Pluronic Micellar Nanomaterials for Modulation of Pharmacokinetics of Docetaxel
A1126	PA115	Ms. Shamandeep Kaur Phospholipid based Drug Complexes and Matrix Dispersions as Nanomaterials in Application of Improved Efficacy of Drugs: A Case Study of Simvastatin
A1128	PA116	Prof. Shagooftha Rasool The Application of Metal Organic Frameworks in Capture and Storage of Carbon Dioxide Gas - a Review
A1129	PA117	Mr. Neelim Kumar Lahon Synthesis and characterization of Cu-Ni bimetallic Nanoparticles
A1131	PA118	Mr. Abhishek Borborah Perylenetetracarboxylate-Guanidium Based H-Bonded Nanostructures, Solvent Dependent Morphology and Nitrophenol Detection
A1132	PA119	Ms. Trishamoni Kashyap Solvothermal Synthesis of Multiphase Cu/Cu ₂ O Micro Nano Crystals with Broad Band Optical Absorption
A1145	PA120	Mr. Rohit Varshney Nanoparticles-Enzyme Stabilized Microcapsules for Catalysis
A1158	PA121	Mr. Subhendu Ghosh Access to Multifunctional AEEgens via Ru(II)-Catalyzed Quinoxaline- Directed Oxidative Annulation
A1255	PA122	Ms. Neelam Sheoran Influence of conductivity on unconfined melt electrospinning of thermoplastics
A1264	PA123	Mr. Basab Kanti Das 'Photo-Syneresis' of a Water Insoluble Peptide Amphiphile Based Hydrogel and its Application.
A1273	PA124	Ms. Sumaiya Parveen Precise tuning of the thickness and optical emission of highly stable 2D organometal halide perovskite nanosheets through a solvothermal process and its applications in LEDs and photodetectors
A1372	PA125	Mr. Debasish Barman Quantum-mechanically Tailored and Finely Triplet Tuned White-light Emission at Room Temperature from Purely Organic Through-space D- σ -A Single Nano-Crystals
B1051	PB101	Mr. Abhijeet Das Scaling Law Analysis for Surfaces of Titanium Thin Films

Poster Session 1 at Conference center
14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
B1100	PB102	Mr. Chinnadurai Ayappan Role of copper substitution on structure, morphology and optical properties of \square - $\text{Ag}_{2-2x}\text{Cu}_x\text{WO}_4$ ($0 \leq x \leq 0.15$) solid solutions: Efficient removal of organic contaminants
B1140	PB103	Mr. Vimal Kumar Singh Yadav Electrical Characterization and Analytical Modeling of ZnO Single-Nanowire Based Schottky Diode
B1171	PB104	Mrs. Anusuya T Raman microscopy of graphene oxide under thermal reduction: Spectral analysis and structural information
C1102	PC101	Mrs. Surya Selvaraj Second order optical nonlinearities of noncentrosymmetric single crystalline: L-Histidine Rhodamine B for optoelectronic device
C1150	PC102	Ms. Sweety Biswasi Plasmon Thin Film Transistor Using One step Plasma Based Process
C1153	PC103	Mr. Preetam Hazra Influence of interface trap charges in dielectric breakdown in sub 20nm Resistive RAM devices
C1154	PC104	Ms. Anna Thomas Study of Artificial Optical Synapse Based on Single MoS_2 Quantum Dot Using Scanning Tunnelling Spectroscopy
C1185	PC105	Ms. Anjali Rai Effects of Shape and Gaussian size distribution on the Absorption spectra of Strained III-V Quantum Dot ensembles
C1231	PC106	Ms. Kasturi Gogoi White Light Emitting Quantum dot Complexes for Thin Film Transistors
C1316	PC107	Mr. Joydip Ghosh Plasmonic hole-transport-layer enabled self-powered hybrid perovskite photodetector using a modified perovskite deposition method in ambient air
C1381	PC108	Ms. Anwesha Choudhury Morphology Control of Mixed Halide Perovskite for its Application in Low-cost Thin Film Transistor
C1385	PC109	Mr. Rahul Narasimhan Arunagirinathan Write-once-read-many memory realized using an interfacial dipole in a bulk-heterojunction organic memory
D1008	PD101	Ms. Neha Joshi Biochemical and molecular investigations on the effect of metal oxide nanoparticles in microtuber development of potato (<i>Solanum tuberosum</i> L.)

Poster Session 1 at Conference center 14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
D1020	PD102	Mr. Mohit Kumar Biological synthesis of silver nanoparticles (AgNPs) using novel bacillus strain isolated from liquid waste of beverage industry
D1043	PD103	Mr. Sourav Mishra Peptide generated anisotropic gold nanoparticles as efficient siRNA vectors
D1070	PD104	Mrs. Tamanna Bhuyan Acoustically Propelled Teabots for ROS Scavenging Activity
D1082	PD105	Ms. Komal Patel Design and development of functional amyloid-based hydrogels as a depot for drug delivery
D1107	PD106	Ms. Prema D Investigations on the mechanism of highly stable and biocompatible GO/Cu substituted ZnO nanocomposite for enhancement of bactericidal activity against infectious pathogens
D1108	PD107	Ms. Nikita Binu Honeycomb structured Nickel Oxide nanoparticles for targeted drug delivery to tumor cells
D1109	PD108	Ms. Sreenidhi S Methylene blue loaded mesoporous TiO ₂ nanoparticles against MRSA infections
D1111	PD109	Mr. Prakash J Development of Graphene based ternary nanocomposite incorporated nanofiber for wound dressing application
D1172	PD110	Mrs. Mousumi Beto Mukherjee DNA Based Antiviral Strategy in the inhibition of viral RNA level in the treatment of HCV infections
E1006	PE101	Dr. Kranthi Kumar Gangu Glutamic acid assisted TiO ₂ @Fluorapatite@MWCNTs ternary nanocomposite catalyst for synthesis of biologically potent tetrahydropyridine-3-carboxamide moieties
E1024	PE102	Mr. Ankush Kerketta Poly (3-hydroxybutyrate)/kaolin composite as a cheaper bio-plastic for medical application: Preparation and characterization
E1038	PE103	Dr. Avesh Kumar Correlation between work function and optical nonlinearity of nanocomposites

Poster Session 1 at Conference center
14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
E1046	PE104	Ms. Shweta Pawar Formation of Cu(0)-Cyclodextrin (CD) Nanocomposite during Copper Catalyzed Quinazolinones Synthesis under aqueous conditions: A Metal Waste Valorization Protocol
E1058	PE105	Mr. Aditya Kumar Kar Silver NPs-EGCG Impregnated Natural Polymer-based Hydrogel Potentiate Controlled Inflammatory Responses for Brisk Wound Healing
E1075	PE106	Ms. Rachna Solar irradiation active ZnO doped copper hexacyanoferrate nanocomposite for the degradation of some organic dyes.
E1097	PE107	Ms. Rebika Baruah Profound Pharmacological and Photocatalytic Activity of Green Synthesized α -Cyclodextrin/Chitosan/Ag Bionanocomposites
E1120	PE108	Mr. Ankit Gangrade Silk Fibroin Nanoparticle Embedded Injectable Silk Hydrogel for Sustained Delivery of Anticancer Drug
E1124	PE109	Ms. Divya Singh In- vitro combinatorial chemotherapy of 5-fluorouracil and <i>O. sanctum</i> L. extract loaded Vitamin-B6 coupled pH responsive liposomal nanoparticles
E1130	PE110	Ms. Radhika Wazalwar Influence of 2-dimensional nano-fillers on the curing behaviour of tetra-functional epoxy composites
E1134	PE111	Ms. Md.Mahaboob Jahanara Printed metal oxide varistors prepared through homogeneous precipitation route
E1389	PE112	Mr. Rupam Sinha Synthesis of N-doped carbon dots from cigarette and its applications in picric acid and UV detection
F1067	PF101	Mr. Rafikul Hussain Influence of in-situ and post-annealing on magnetic property of Co/Ni multilayers
F1068	PF102	Mr. Rajib Kumar Basumatary Fabrication, Surface Roughness and Magnetic Property of Nanoscale (Co _{0.85} Tb _{0.15}) _{0.46} Ni _{0.54} Alloy Thin Film
F1078	PF103	Mr. Bodosa Brahma Perpendicular Magnetic Anisotropy in Co-Tb based Spin Valve
F1117	PF104	Ms. Bidyarani Maibam Consequence of co-doping on structural and magnetic properties of ZnO nanoparticles

Poster Session 1 at Conference center
14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
G1059	PG101	Mr. P. Vijendar Reddy Understanding the film uniformity effect on large area perovskite solar cells fabrication by spin coating process
G1064	PG102	Mr. Soumadri Samanta Quantum dot sensitized D-linked heptazine polymer photocatalyst for metal-free visible light hydrogen generation
G1071	PG103	Mr. Naveen Kumar Sol-gel synthesis and characterization of copper-oxide based nanostructures
G1091	PG104	Ms. Merin K Wilson Mesoporous Carbon Coated Silicon Nanoparticles as Anodes for Li-ion Batteries
G1103	PG105	Ms. Arunodaya J Improved Stability of FAPbI ₃ Thin Film at Ambient Condition by Doping CuI
G1104	PG106	Mr. Abhishek Singh Sindhu Synthesis of Copper Sulfide (CuXS) Using Liquid- Liquid Interface Reaction for Photovoltaic Applications
G1142	PG107	Ms. Arpna Jaryal Carbon nitride & metal oxide based nanostructures for visible light photocatalysis
G1143	PG108	Ms. Bheesetti Gowreeswari Semi-transparent Metal Cathode (Dielectric-Metal-Dielectric) for Perovskite Solar Cells
G1144	PG109	Ms. Neha Sharma Heptazine based robust microporous polymer for CO ₂ sorption and as heterogeneous base catalyst for Knoevenagel reaction
G1148	PG110	Mr. Abhilash A Copper doped polyaniline as a bifunctional interlayer for the enhanced performance of Li-S cells
G1149	PG111	Ms. Sreeja E M Copper doped polyaniline as a bifunctional interlayer for the enhanced performance of Li-S cells
G1161	PG112	Ms. Alekha Tyagi Poultry biowaste derived improved electrocatalyst for oxygen electroreduction in PEM fuel cells
G1177	PG113	Mr. Guruprasad Hegde Spinel Structured High Entropy Oxide Nanoparticles as Bi-functional Catalyst for Oxygen Reduction and Oxygen Evolution Reactions

Poster Session 1 at Conference center 14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
G1182	PG114	Mr. Narasimharao Kitchamsetti Morphology-Controlled mesoporous perforated NiO nanostructures for high energy density supercapacitor electrodes
G1315	PG115	Ms. Ching Thian Moi Noble metal free hierarchical VS ₂ onto WO ₃ nanoflakes as an effective hetero junction strategy for enhanced photoelectrochemical water oxidation
G1320	PG116	Mr. Jeffrey Roshan J Investigation on the effect of magnetic nanocomposite on the performance of a single basin solar still
G1370	PG117	Mr. Rabindranath Garai High-performance Ambient Condition Processed Polymer Solar Cells and Organic Thin Film Transistors
H1056	PH101	Mr. Chandra Kamal Borah Application of Graphene and 2D MoS ₂ in Silicon Heterojunction Solar Cell: A Simulated Study
H1094	PH102	Mr. Prabal Bhuyan Quantitative current-voltage characteristics of Si and Ge based molecular electronic devices
H1138	PH103	Ms. Ashima Rawat Solar Energy Harvesting in Type II van der Waals Heterostructures
H1156	PH104	Mr. Joydip Chaudhuri Interfacial Tension of Fluids - A Nanoscopic Outlook
H1383	PH105	Mr. Biki Teron Effect of oxide thickness for FET performance for various applications
I1155	PI101	Mrs. Divya Ch Nano powder mixed vegetable oil as alternative lubrication for textured cutting inserts with solid lubrication in manufacturing process
I1263	PI102	Ms. Arpita Shome Deformable and Durable Chemically Reactive Protein Nanoparticles Assisted Superhydrophobic Cotton
J1055	PJ101	Ms. Ruby Gupta Application of Nano-magnets for Magnetic Hyperthermia-mediated Glioblastoma Therapy
J1084	PJ102	Ms. Poulami Mukherjee Synthesis of Magnetic Upconversion Nanoparticle Based Composite for Theranostics Application

Poster Session 1 at Conference center
14:00-15:30, 19 December, 2019

Abstract ID	Poster No.	Poster Presenter
K1033	PK101	Ms. Suparna Paul Designed synthesis of fluorochromogenic molecular probe towards expeditious discerning of biologically toxic As(III) from waste water specimen
K1061	PK102	Mr. Sarvajith Malali Sudhakara Silver Nanoparticles Decorated Phthalocyanine Doped Polyaniline Nanofiber for the Simultaneous Electrochemical Detection of Hydroquinone and Catechol
K1073	PK103	Mrs. Priya M J SnO ₂ Octahedral Nanoparticles with Exposed High Energy Facets for Gas Sensing Application
K1077	PK104	Mr. Dinesh Sivalingam Synthesis and Scintillation properties of nano Gd ₂ O ₃ :Er scintillator for low dose X-Ray imaging applications
K1116	PK105	Ms. Saptaka Baruah Co-doped Zinc Oxide for Glucose Sensing Application
K1118	PK106	Ms. Smita Das A colorimetric assay for rapid dual detection of glucose and cholesterol
K1151	PK107	Mrs. Soumya Ravi On the excitation independent photoluminescence of sustainable C-dots for metal-ion sensing.
K1240	PK108	Mr. Ashutosh Kumar A Novel Sensor for Label Free Detection of Sinaptic Acid Based on Electrochemically Tuned Gold Nanoparticles and Reduced Graphene Oxide Nanocomposite
K1251	PK109	Ms. Devabharathi Nehru Inkjet printed co-continuous mesoporous oxide for extremely high sensitivity vapour/ gas sensing at low temperatures
K1368	PK110	Ms. Nehal Zehra Conjugated Polymer-Based Electrical Sensor for Ultra-trace Vapor Phase Detection of Nerve Agent Mimics

**Poster Session 2 at Conference center
14:00-15:30, 20 December, 2019**

Abstract ID	Poster No.	Poster Presenter
A1169	PA201	Ms. Sowmya Tirukkavalluri Titanate Nanotubes as absorbents for the removal of Radons
A1183	PA202	Ms. Arti Joshi Polyoxomolybdate cluster and Mo co-ordination polymer-based solids: Synthesis, Structure and in vitro antitumor properties
A1187	PA203	Mr. Sreenivasulu Nandyala Synthesis and characterization of a nanocrystalline equimolar metal oxide spinel - $(AlCrFeMnNi)_3O_4$
A1203	PA204	Dr. Bismita Nayak A comparative study of biological and chemical synthesis of magnetic phase biocompatible Iron oxide nanoparticles
A1205	PA205	Ms. Priyanka Dash Preparation and characterization of hematite nanopowders via the precipitation route: assessment of their physical and novel biological applications
A1248	PA206	Mr. Vignesh K Toxicity Assessments of Mesoporous SiO_2 Nanoparticles In Zebrafish Embryos
A1250	PA207	Mr. Mihir Paul Fabrication of superhydrophobic/superoleophilic meshes for oil water separation
A1267	PA208	Ms. Pallabi Boro Synthesis and Characterization of CdS and CdS/ZnS core/shell Nanoparticles
A1281	PA209	Mr. Vinay Bachu Carbon dots enhanced fluorescence based aptasensing of Plasmodium falciparum Glutamate Dehydrogenase
A1299	PA210	Mr. Avijit Dalal Mg doped TiO_2 thin film based MDS devices on GaAs Substrates
A1301	PA211	Ms. Payel Dowari pH Clock Instructed Transient Supramolecular Peptide Amphiphile and its Vesicular Assembly
A1302	PA212	Dr. Avijit Das Simultaneous Collection of Both Oil and Water Phases from the Oily Waste Water through Stretchable and Superwetable Bio-mimicked Membranes.
A1303	PA213	Mr. Narasimha Vinod Pulagara Electrochemical Deposition of Ni Catalyst Based Tungsten Oxide Nanostructures and Field Emission Application

**Poster Session 2 at Conference center
14:00-15:30, 20 December, 2019**

Abstract ID	Poster No.	Poster Presenter
A1305	PA214	Mr. N Somrojit Singh Synthesis of Ultrasmall Graphene Quantum Dots using Tip Sonication for CO ₂ Gas Sensing Application
A1308	PA215	Ms. Dibyangana Parbat Hydrophobicity or Superhydrophobicity-Which is Right Choice for Stabilizing Underwater Superoleophilicity?
A1311	PA216	Ms. Supriya Das Catalyst-Free and Rapid Chemical Approach for in Situ Growth of "Chemically Reactive" and Porous Polymeric Coating
A1318	PA217	Mrs. Manika Basumatari Green synthesis of zinc oxide nanoparticles and its application as antibacterial agent
A1325	PA218	Ms. Bhawna Microwave-Induced Synthesis of Nano-sized pyridine based Schiff Bases and Their Application as efficient textile dyeing agents: Experimental and Theoretical Approach
A1347	PA219	Ms. Priyanka Sarkar Protein-Activated Transformation of Non-Fluorescent Silver Nanoparticles to Blue and Red-Fluorescent Nanoclusters
A1352	PA220	Ms. K Pushpanjali Patra Structural and Magnetic Properties of FeMn ₂ O ₄
A1367	PA221	Ms. Mst Nasima Khatun An Unprecedented Blueshifted Naphthalimide AIEEgen for Ultrasensitive Detection of 4-Nitroaniline in Water via "Receptor-Free" IFE Mechanism
A1386	PA222	Mr. Tamal Pal Metal Halide Perovskite Nanocrystals
B1212	PB201	Mr. Pankaj Kumar Study of Temperature Dependent Properties of Silica Gel at Variable Particle Size
B1275	PB202	Mr. Anirban Kundu Nanofabrication of Metal Free SERS Substrate by Low Power Focused Laser
B1346	PB203	Ms. Nilanjana Nandi Analysis of excited state proton transfer dynamics of HPTS in methanol-water mixtures from time-resolved area-normalised emission spectrum (TRANES)
C1257	PC201	Ms. Monica Naorem Fabrication of Trench on SiO ₂ and its Characterisation

Poster Session 2 at Conference center 14:00-15:30, 20 December, 2019

Abstract ID	Poster No.	Poster Presenter
C1274	PC202	Mr. Shyam Murli Manohar Dhar Dwivedi Glucose detection by InN nanowire/ TiO ₂ thin film based Near Infrared detector
C1304	PC203	Mr. Pushp Raj Polymer Based Atomic Switch
C1306	PC204	Ms. Rizwana Khanum Development of visible wavelength micro cavity enhanced Raman spectroscopy based ultrahigh label free bio/chemical sensors
C1317	PC205	Ms. Priyalakshmi Kshetrimayum Metal-Insulator-Semiconductor Structure for Efficient Plasmonic Photoelectric Energy Conversion
C1365	PC206	Mr. Ramesh Babu Yathirajula Rational control of hole injection and hole transport for high performance perovskite light emitting diodes.
D1133	PD201	Dr. Upashi Goswami Multifunctional Application Potential of Bimetallic Fe/Cu-nanocomposite
D1139	PD202	Ms. Srirupa Bhattacharyya Transmembrane TNF α Expressed Macrophage Membrane Coated Chitosan Nanoparticles as Cancer Therapeutics
D1141	PD203	Ms. Arushi Verma Combination Therapy of Ag NPs and Fluorescent Cdots for Enhanced Anti-Bacterial Activity
D1160	PD204	Ms. Chethana Rao Study of Protein Corona Guided Cell Internalization in fluorescent Nanodot with different functionalization and drug loading
D1186	PD205	Mr. Radhakanta Nag Green synthesis of zinc oxide nanoparticle by micro-algae and its anti-bacterial activity
D1195	PD206	Ms. Anitha Simon Drug Loaded Luminescent Nanocarrier for Antibacterial and Antibiofilm Application
D1244	PD207	Ms. Sruthi C S Nanoengineered bioinks for 3D bioprinting
D1341	PD208	Mr. Surjendu Maity Advanced Microfluidic Reactor Based Nanomedicine for Anti-bacterial Treatment

Poster Session 2 at Conference center
14:00-15:30, 20 December, 2019

Abstract ID	Poster No.	Poster Presenter
EI1378	PD209	Mr. Subrata Mondal Polymeric Tweezer Protect Mitochondrial Dysfunction and Enhances Neuroprotection by Blocking Amyloidogenic Domain of Toxic Amyloid β Oligomer Associated with Alzheimer Disease
EI159	PE201	Mr. Diliraj Upadhaya Investigating the effect of SnO ₂ seed on the growth of ZnO nanostructures
EI173	PE202	Ms. Nisha Ranjan MgO/Boron Nitride based nanofluids for enhanced heat transfer application
EI176	PE203	Mr. Kartikeya Dixit Optimization of Nanofiller Concentration for Enhanced Compressive Strength of Bioactive Glass Composite Scaffolds for Bone Tissue Engineering
EI280	PE204	Ms. Ruma Das Quantitative Analysis of the Charge Transfer Mediated Fe ³⁺ Sensing in nM level with Nitrogen-Doped Graphene-Quantum-Dots Decorated on Plasmonic Au Nanoparticles
EI282	PE205	Mr. Karthik Chintalapudi Graphene Oxide Reinforced Cementitious Composites
EI287	PE206	Ms. Elizabeth Chingangbam Annealing effect on Bi ³⁺ , Eu ³⁺ codoped YPO ₄ nanoparticles: phase transformation and luminescence properties
EI294	PE207	Mrs. Debjani Baruah Biogenic synthesis, characterization and evaluation of ZnO/Ag nanocomposites
EI340	PE208	Dr. Ravindra Gautam Magnetic Nanophotocatalyst for Wastewater Remediation
EI343	PE209	Mrs. Sangeetha Ramamoorthy Comparative Study of Differently Connected TiO ₂ -ZrO ₂ Nanocomposites for Visible Light Driven Photodegradation of Alizarin Yellow GG Azo Dye
EI361	PE210	Mr. Sauvik Raha Synthesis of Fe ₃ O ₄ nanoparticles/ZnO nanorods anchored on g-C ₃ N ₄ sheets for express visible light driven degradation of an aqueous solution of Pantoprazole.
FI136	PF201	Mr. Subenthung P Tsopoe Synthesis of nanocomposite core shell Fe ₃ O ₄ @NiO for effective magnetic fluid hyperthermia (MHF)
FI174	PF202	Ms. Anamika Ghosh Enhanced thermal stability and magnetic properties of encapsulated magnetite (Fe ₃ O ₄) nanoparticles

Poster Session 2 at Conference center
14:00-15:30, 20 December, 2019

Abstract ID	Poster No.	Poster Presenter
F1283	PF203	Mr. Mahananda Brahma Magnetization reversal and metal-to-semiconductor like transition in Al-substituted lithium chromium ferrite
F1342	PF204	Mrs. Lakhirupa Devi Soft Magnetic Fe ₃ O ₄ Nanocomposites: Novel Ambient Environment Synthesis, Magnetic and Magnetodielectric Properties
G1191	PG201	Ms. Shrabani De 2D Pseudocapacitive hybrid supercapacitor devices based on MXene and polyindole
G1192	PG202	Mr. Sourav Acharya Adsorbed Cr(VI) based Activated Carbon/Polyaniline Nanocomposite: A superior electrode material for Asymmetric Supercapacitor Device
G1219	PG203	Ms. Kashmiri Baruah Self-assembly of rGO-pgC ₃ N ₄ nanosheets decorated by polypyrrole nanotubes (PPyNTs) for supercapacitor application
G1220	PG204	Mr. Sahil Verma Trifunctional activity of electrospun Nickel Oxide nanofibres towards HER OER and ORR
G1232	PG205	Mr. Sushil Kumar Nickel oxide/ phosphide decorated on carbon cloth for electroactive material for supercapacitor
G1249	PG206	Mr. Deepak Kumar Chauhan Solar driven Furfural to value-added chemicals: A possibility through metal-free pathway
G1271	PG207	Mr. Bhaskarjyoti Sarma Altered energy landscape of hydrophobic surfaces: role of soot nanoparticles
G1277	PG208	Ms. Shalini Tiwari Investigation of photo electrochemical activity and stability of Vanadium sulphide based composite
G1278	PG209	Ms. Sneha Kagatkar Synthesis, photophysical, electrochemical and theoretical investigation of Fluorescent Azines for OLED application.
G1279	PG210	Mr. Anku Guha Ambient Nitrogen Reduction in Aqueous Electrolytes - Role of 'Water-in-Salt' Type of Electrolytes
G1285	PG211	Ms. Preeti Dagar MWCNT/CdS/CoPi Heterostructures for Simultaneous Excitons Separation: Ultrafast and Photoelectrochemical Studies

Poster Session 2 at Conference center
14:00-15:30, 20 December, 2019

Abstract ID	Poster No.	Poster Presenter
G1289	PG212	Mr. Manoj Kumar Mohanta Hexagonal Boron Nitride Quantum Dots as a Superior Hole Extractor for Efficient Charge Separation in WO ₃ -Based Photoelectrochemical Water Oxidation
G1292	PG213	Mr. Adit Kumar Shah Reduced graphene oxide modified CuBi ₂ O ₄ as an efficient and noble metal free photocathode for superior photo electrochemical hydrogen production
G1328	PG214	Mr. Rituraj Dutta Ionic transport dynamics in Ionic Liquid incorporated CuBTC-Metal-Organic Framework based PVdF-HFP composite polymer electrolytes
G1366	PG215	Mr. Atanu Purkayastha Simulation of Lead-free Perovskite Solar Cell
G1373	PG216	Dr. Maimur Hossain Enhancing the Power Conversion Efficiency of organic solar cell by Incorporating Cost Effective 2,5-Difluorobenzene Units into the Polymer Backbone via Random Copolymerization
H1162	PH201	Ms. Satarupa Dutta Electric field mediated particle chaining: Experimental and numerical investigation
H1165	PH202	Ms. Payal Saha DFT based study on non-collinear magnetism of Mn ₂ PtSn Heusler compound
H1166	PH203	Mr. Purbajyoti Bhagowati Low energy structures of small titanium nitride (TiN) through ab initio molecular dynamics
H1384	PH204	Ms. Paromita Bhattacharjee Fabrication of SAW Delay Line for Electronic Applications
I1359	PI201	Mr. N. Usha Kiran TiB ₂ Coating on Graphite Substrate via Electrophoretic Deposition for Primary Aluminium Production
I1371	PI202	Mr. Ritesh Kant Gupta Regulating the Crystallization and Grain Growth in Hot Casted Perovskite Film through Lewis Acid-Base Adduct Formation for Enhanced Solar Cell Performance
J1178	PJ201	Ms. Debashree Debasmita Gold nanoclusters on Bacterial cell surface
J1245	PJ202	Ms. Madhavi Tripathi Multimodal therapy via copper-mesoporous carbon nanoparticles

Poster Session 2 at Conference center
14:00-15:30, 20 December, 2019

Abstract ID	Poster No.	Poster Presenter
K1261	PK201	Mr. Buddhadev Purohit Electrochemical sensing of ROS Molecule in Blood Samples Using a Modified Metallic Dendritic electrode
K1286	PK202	Mr. Siddhanta Roy Signal-to-Noise Ratio Analysis of Ultrasensitive Critical-point Suspended Gate FET Biosensor
K1291	PK203	Mr. Suhaib Alam Ultrasensitive NO _x detection in simulated exhaled air: Enhanced sensing via alumina modification of in-situ grown WO ₃ nanoblocks
K1345	PK204	Mr. Mihir Manna Photoluminescence based uric acid detection using quantum dot complex
K1354	PK205	Mr. Nirmal Roy A disposable chemiresistive sensor based on multiwall carbon nanotubes for alcohol detection
K1355	PK206	Ms. Priyanka Mukherjee A foresight to synthesis of ammoniojarosite bearing 3D cavity and its electrochemical behaviour in presence of arsenic
K1363	PK207	Mr. Laxmi Raman Adil Aggregates: A New Structural Approach for Sensing of Organic Pollutants
K1369	PK208	Dr. Muzaffer Ahmad Fluorescent Thermoplastic Polymer films as vapochromic sensors
K1377	PK209	Mr. Retwik Parui Conjugated Polymer based Platform for the Highly Sensitive and Selective Detection of Nitro Explosive TNT
K1382	PK210	Ms. Moirangthem Anita Chanu Conjugated Polymer as a Fluorescent Probe for Amplified and Label Free Detection of Bilirubin in Human Blood Serum
L1331	PL201	Ms. Juhi Srivastava 4-aminothiophenol - Graphene Composite Based Electrochemical MIP Sensor for Detection of Thyroglobulin Protein