

# BEST POSTER AWARD

ICONSAT - 2020

1. EMERGING MATERIALS FOR NANOSCIENCE AND NANOTECHNOLOGY				
SL.No.	CODE	NAME	POTSER TITLE	AFFILIATION
RSC				
1	EM40	SURYA NARAYAN PANDA	Study of Magnetization Dynamics in CoFeB Thin Films Grown on Single-Layer Graphene	SNBNCBS, KOLKATA
ACS				
2	EM11	CHOUDHURY ABINASH BHUYAN	Large-Area Synthesis and Transfer of Monolayer MoS2 on to Flexible Substrate	IGCAR,KALPAKKAM
3	EM04	ANJALI CHAUDHARY	Polythiophene-PCBM-Based All-Organic Electrochromic Device:	IIT INDORE
ICONSAT				
4	EM43	S. BALASUBRAMANIAN	Surface-enhanced microcantilevers for ultrasensitive humidity sensing	IGCAR,KALPAKKAM
5	EM08	AVINASH KUMAR CHAURASIYA	Brillouin Light Scattering Study of Spin Dynamics in Artificial Kagome Spin Ice Nanostructure	SNBNCBS, KOLKATA
6	EM23	PARIBESH ACHARYYA	Synthesis and Super-Resolved Photoluminescence Blinking of Low- dimensional Lead-free Perovskites	JNCASR , BANGALORE
2. ENERGY MATERIALS				
SL.No.	CODE	NAME	POTSER TITLE	AFFILIATION
RSC				

<b>1</b>	<b>EN08</b>	ANUPMA THAKUR	Organic Waste derived Plasmonic Nanostructures as Photoanodes for Solar Driven Photoelectrochemical Water splitting	ACSIR, GHAZIABAD
<b>ACS</b>				
<b>2</b>	<b>EN31</b>	P. RANJITH	MoS2/Phosphorene Heterostructure as a Bifunctional Electrocatalyst for Overall Water Splitting	IISERTVM, THIRUVANTH APURAM
<b>3</b>	<b>EN17</b>	DEBASIS SARKAR	Expanding Interlayer Spacing in MoS2 for Realizing an Advanced Supercapacitor	MNIT, JAIPUR
<b>ICONSAT</b>				
<b>4</b>	<b>EN56</b>	TASNIM AHMED	Effect of Heterovalent Metal Doping on the Optical Properties of Perovskite Nanocrystals	UNIVERSITY OF HYDERABAD
<b>5</b>	<b>EN10</b>	ARKA CHATTERJEE	Ultrafast Carrier Dynamics in InAs Quantum Dots: Key Information on the Light Harvesting in Near Infrared Region	SNBNCBS, KOLKATA
<b>3. INDUSTRIAL NANOMATERIALS</b>				
<b>SL.No.</b>	<b>CODE</b>	<b>NAME</b>	<b>POTSER TITLE</b>	<b>AFFILIATION</b>
<b>ACS</b>				
<b>1</b>	<b>IN02</b>	RIA GHOSH	Selective and Fast Responsive Sensitized Micelle for Detection of Fluoride Level in Drinking Water	SNBNCBS, KOLKATA
<b>4. NANOELECTRONICS AND NANOPHOTONICS</b>				
<b>SL.No.</b>	<b>CODE</b>	<b>NAME</b>	<b>POTSER TITLE</b>	<b>AFFILIATION</b>
<b>RSC</b>				
<b>1</b>	<b>NN02</b>	ALISHA HAIDERALI MARCHAWALA	Fabrication of twisted double bilayer graphene field effect transistor (FET)	TIFR MUMBAI
<b>ACS</b>				
<b>2</b>	<b>NN028</b>	TALEM REBEDA ROY	Conformation-Controlled Inelastic Charge Transport and Junction Thermoelectricity in Molecular Electronic Nanodevices	SRM CHENNAI
<b>3</b>	<b>NN08</b>	DILLIP KUMAR MO-	Effect of magnetic field ramp rate on microstructure formation in	IGCAR, KALPAKKAM

		HAPATRA	magnetic nanoemulsion	
<b>ICONSAT</b>				
<b>4</b>	<b>NN32</b>	VRINDA NARAYAN P	Dielectric engineering in Silicon-MoS2 heterostructure	IISER, PUNE
<b>5. NANOTECHNOLOGY FOR AGRICULTURE, BIOMATERIALS, TISSUE ENGINEERING, STEM CELL TECHNOLOGY, ETC.</b>				
<b>SL.No.</b>	<b>CODE</b>	<b>NAME</b>	<b>POTSER TITLE</b>	<b>AFFILIATION</b>
<b>RSC</b>				
<b>1</b>	<b>NN27</b>	PRASANTA PANJA	Active Protein Delivery to Nucleus Using Arginine Modified Nanoparticles	IACS, KOLKATA
<b>ACS</b>				
<b>2</b>	<b>NT06</b>	ARITRA BISWAS	Visible Light/Ultrasound Assisted Reactive Oxygen Species Generating Colloidal Nanoparticles for BIOMEDICAL APPLICATION	IACS, KOLKATA
<b>3</b>	<b>NT48</b>	SUMAN MANDAL	Designed Biodegradable Nanomaterials for Prevention of Neurodegenerative Disease	IACS, KOLKATA
<b>ICONSAT</b>				
<b>4</b>	<b>NT35</b>	SAHELI MITRA	Surface activities of a lipid-analogue room temperature ionic liquid and its effects on phospholipid membrane	SHIV NADAR UNIVERSITY, UTTAR PRADESH
<b>5</b>	<b>NT50</b>	VIJAY K. PAL	Designing Collagen Mimetic Ionic Complementary Peptide Hydrogels for Biomedical Applications	INST, MOHALI
<b>6. QUANTUM MATERIALS</b>				
<b>SL.No.</b>	<b>CODE</b>	<b>NAME</b>	<b>POTSER TITLE</b>	<b>AFFILIATION</b>
<b>ACS</b>				
<b>1</b>	<b>QM04</b>	RUP K CHOWDHURY	Ultrafast observation of bright exciton-plasmon polaritons in metal- 2D semiconductor hybrids	IIITKGP
<b>7. SYNTHESIS, PROPERTIES AND APPLICATION OF NANOMATERIALS</b>				

SL.No.	CODE	NAME	POTSER TITLE	
<b>RSC</b>				
<b>1</b>	<b>ST29</b>	DEEPIKA RANI	Visible Light Assisted Gasochromic Sensing of Nicotine from Cigarette Smoke by Metal-Organic Nanotube	PANJAB UNIVERSITY, CHANDIGARH
<b>ACS</b>				
<b>2</b>	<b>ST27</b>	CHAITALI SOW	Diffraction Imaging of a Non-Cubic Au Microcrystallite	JNCASR,BANGALORE
<b>3</b>	<b>ST47</b>	ANULEKHA DE	Investigation of Ultrafast Magnetization Dynamics in Two-Dimensional Ferromagnetic Antidot Lattice	SNBNCBS, KOLKATA
<b>4</b>	<b>ST86</b>	SANDIP KUMAR DE	In-Situ Raman and DLS Study for the Fabrication of Twin Boundary Induced Highly Strained Porous Network of Au doped Ag Nanorod: A Bridging Application from Catalysis to Sensing for the Non-Enzymatic Detection of Human Metabolites and Trace Metal Ions	SINP, KOLKATA
<b>5</b>	<b>ST64</b>	PARTHA ROY	Nanotechnological answers for drug induced liver injury problems	ADAMAS UNIVERSITY., KOLKATA
<b>ICONSAT</b>				
<b>6</b>	<b>ST95</b>	SOURAV SAHOO	Spin Wave Dynamics in Ferromagnetic Nanodot Arrays Connected by Nanochannels	SNBNCBS, KOLKATA
<b>7</b>	<b>ST112</b>	TARIQ SHEIKH	Unusual Band Gap and Electronic Two Dimensionality in Layered Hybrid Perovskites	IISER PUNE
<b>8</b>	<b>ST57</b>	NANDAN GHORAI	Ultrafast Near-Infrared Plasmon Resonance Dynamics in Nonstoichiometric Cu <sub>2-x</sub> Se Nanocrystals and High Conductivity in Thin Film	INSTITUTE OF NANO SCIENCE AND TECHNOLOGY, MOHALI
<b>9</b>	<b>ST16</b>	ARUNDHATI ADHIKARI	Tunable Phonon Coupled Magnon Dynamics in Nanomagnetic Dot Array	SNBNCBS, KOLKATA
<b>10</b>	<b>ST75</b>	PRIYANKA SAHA	Improved Steady state Magnetorheological response in Zn <sub>0.2</sub> Fe <sub>2.8</sub> O <sub>4</sub> sub micro Hollow Spheres	SNBNCBS, KOLKATA

<b>11</b>	<b>ST105</b>	SUSHMITA CHANDRA	Realization of High Thermoelectric Figure of Merit in Solution Synthesized 2D SnSe Nanoplates via Ge Alloying	JNCASR, BANGALORE
<b>12</b>	<b>ST92</b>	SNEHAMOYEE HAZRA	Barium Titanate one dimensional nanostructures as a broadband Photo detector	SNBNCBS, KOLKATA
<b>13</b>	<b>ST100</b>	SUDIP MAJUMDER	Efficient Tunability of Spin Wave Dynamics in Two-Dimensional Diamond Shaped Ferromagnetic Nanodots Array	SNBNCBS, KOLKATA

### 8.THEORY AND SIMULATION OF NANOMATERIALS

<b>SL.No.</b>	<b>CODE</b>	<b>NAME</b>	<b>POTSER TITLE</b>	<b>AFFILIATION</b>
<b>RSC</b>				
<b>1</b>	<b>TS14</b>	SOHAM CHANDRA	A Monte Carlo study on the shift of compensation temperature with the ratio of Coupling Strengths and Concentration of Non-magnetic Impurities in an Ising Trilayer on triangular lattice	PRESIDENCY UNIVERSITY, KOLKATA
<b>ACS</b>				
<b>2</b>	<b>TS13</b>	SHIVAM MISHRA	Variation of Electronic Structure as a Function of Size	SNBNCBS, KOLKATA