

Schedule for poster presentations

Day 1 (13th): EM1-EM20, FL1-21, FL43, FL52, MS1-20 (except MS6, MS8, MS12, MS19), MS41, MS52, SB1-15 (except SB11)

Day 2 (14th): EM21-40, EM 52, FL23-40, MS21-40, MS19, SB11, SM1-10

Day 3 (15th): EM41-59(except EM52), FL22, FL41-56 (except FL43, FL52), MS6, MS8, MS12, MS42-58 (except MS52), SB16-27, SM11-19

(Please see below for poster numbers)

Note: Poster boards of width 4 feet will be provided. The participants are requested to prepare their posters accordingly. Standard A0 size is recommended.

List of posters

Energy Materials & Molecular Electronics (EMME)

Poster No.	Name & Affiliation	Title
EM1.	Aatreyee Sarkar, NIT Durgapur .	Surface Modification of Carbon Nanotubes by Cobalt Sulfide Nanoparticles and Its Application in Dye Sensitized Solar Cells.
EM2.	Abdul Alim, Central Glass and Ceramic Research Institute, Jadavpur..	Fabrication & Characterization of NiBa _{0.8} Ce _{0.35} Zr _{0.5} Tb _{0.15} O _{3-g} Based Dense Membrane Assembly for Hydrogen Separation
EM3.	Abdulla Bin Rahaman, IIT Kharagpur.	Space charge limited conduction and optoelectronic applications of RGO-ZnTTBPC hybrid composite.
EM4.	Abhishek Sasmal, Central Glass and Ceramic Research Institute, Jadavpur.	BiFeO ₃ -Poly(vinylidene fluoride) Composite: A New Lead Free Flexible Material for Energy Storage and Energy Harvesting Application
EM5.	Anirban Dutta, IACS Jadavpur.	Phase-Stable CsPb ₁₃ Nanocrystals: The Reaction Temperature Matters
EM6.	Ankita Kumari, Central Glass and Ceramic Research Institute, Jadavpur.	Visible-Light Driven Photocatalytic Activity of MoS ₂ Based Nanocomposites for H ₂ Generation.
EM7.	Ankul Prajapati, Sardar Vallabhbhai National Institute of Technology.	Numerical Investigations on Band Alignment in Semiconductor Heterostructure using Anderson's Rule.

EM8.	Anuj Kumar, Central Glass and Ceramic Research Institute, Jadavpur.	Hybrid SnO ₂ /Graphene nanostructures as Anode Materials for Lithium Ion Batteries.
EM9.	Anupam Prason, IISER Pune.	Thermally Driven Resistive Switching in Solution Processable Thin Films of Coordination Polymers.
EM10.	Arun Kumar Agarwal, IIT Kanpur.	Effects of molecular weight and annealing on electrical properties of nanoscale PANI-CSA thin films.
EM11.	Avijit Pal, Central Glass and Ceramic Research Institute, Jadavpur.	Development of piezocomposites for mechanical energy harvesting.
EM12.	Ayon Karmakar, Indian Institute of Technology, Kharagpur.	Temperature Controlled Fabrication of Spinel Copper Cobalt Oxide Nanochains: An Efficient Oxygen Evolution Electrocatalyst.
EM13.	Biswajit Kumar Barman, IISER Kolkata.	Resistive switching in organic semiconductor diodes : perception in point of view of structure and self assembly.
EM14.	Biswajit Pabi, S.N. Bose National Centre for Basic Sciences, Kolkata.	Developing set up to measure thermal transport through a single molecular junction.
EM15.	Debmallya Das, Indian Association for the Cultivation of Science (IACS), Kolkata.	Photocatalytic water splitting under visible light irradiation by the self-assembled Chlorophylla/Graphene nano-hybrid system.
EM16.	Dhrubajyoti Samanta, Sikkim Manipal Institute of Technology.	Sunlight Driven Photocatalytic Degradation of Water Pollutant using Glucose Stabilized Ag-ZnS Nanocomposite.
EM17.	Dipak Majumdar, Saha Institute Of Nuclear Physics, Kolkata.	Large anisotropic magnetocaloric effect in single crystalline Sm _{0.5} Ca _{0.25} Sr _{0.25} MnO ₃ compound
EM18.	Dipanjana Maity, S.N. Bose National Centre for Basic Sciences, Kolkata	Visible Light driven water electrolysis with ZnO/MoO ₃ nano heterojunction photoanodes.
EM19.	Dwaipayan Chakraborty, Shiv Nadar University.	Computational design of a D- π -A type small organic molecule: Prediction of its crystal structure and study of transport and opto-electronic properties
EM20.	Harish Reddy Inta, IISER Kolkata.	Ionic liquid intercalated MoS ₂ for Energy storage applications.
EM21.	Jayita Patwari, S.N. Bose National Centre for Basic Sciences, Kolkata	Three-in-one approach towards efficient organic dye-sensitized solar cells: aggregation suppression, panchromatic absorption and resonance energy transfer
EM22.	Jony Saha, Central University of Rajasthan.	Iron-Cerium Phosphate based Mesoporous Thin Films for Electrochemical Water Splitting.
EM23.	Keshab Karmakar, S.N. Bose National Centre for Basic Sciences, Kolkata.	The role of oxygen vacancies and lattice strain defects in photoelectrochemical properties of Li, Na, K doped ZnO nanorods

EM24.	Kuntal Maity, Jadavpur University.	All Organic Piezoelectric Nanogenerator for Self Powered Electronics and Human Physiological Signal Monitoring.
EM25.	Milon Miah, Indian Association for the Cultivation of Science (IACS), Kolkata.	Fe intercalated few-layers reduced graphene oxide (rGO) for high performance supercapacitor application.
EM26.	Mohua Chakraborty, IISER Kolkata.	Efficient charge separation by Bi-SPR promoted Bi ₂ MoO ₆ thin films for photo-electrochemical water oxidation.
EM27.	Nikita Chhetri, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India	Fabrication of p-type Polycrystalline Silicon Seed Layer using RF-PECVD for Thin film Solar cells.
EM28.	Pandey Rajagopalan, IIT Indore .	Enhancement in ZnO nanogenerator output via la doping.
EM29.	Parita Basnet, Sikkim Manipal Institute of Technology.	Biosynthesis of Ag-ZnO Nanocomposites for the Reduction of p-Nitro Phenol - an organic waste.
EM30.	Piyali Chatterjee, National Institute of Technology Durgapur.	Photoelectrochemical water splitting by hydrothermally synthesized Ceria-CNT composite.
EM31.	Prakriti Adhikary, Department of Physics, Jadavpur University, Kolkata.	Performance of a Polymer Nanogenerator Composed of Ionic Liquid doped Electrospun P(VDF-HFP) Nanofibers
EM32.	Prama Adhya, Central Glass and Ceramic Research Institute, Jadavpur.	Carbon Dioxide Capture in Layered Double Hydroxide Nanosheets.
EM33.	Prithwidip Saha, Indian Institute of Technology Kanpur.	Selection of Self-assembled Patterns of 1,3-Dithia Derivatives of Ferrocene by the Nature of the Solvent
EM34.	Pronoy Nandi, IOP Bhubaneswar .	Role of organic cation in dual emission of hybrid perovskite CH ₃ NH ₃ PbBr ₃ .
EM35.	Pulak Pal, Indian Association for the Cultivation of Science (IACS), Kolkata.	Ionic liquids based gel polymer electrolytes for electrochemical double layer capacitors:Influence of cation size and viscosity of ionic liquids.
EM36.	Rajnarayan De, Bhabha Atomic Research Centre, Mumbai.	Optical and Photocatalytic behavior of GLAD N ₂ - TiO ₂ thin films.

EM37.	Ransell D'Souza, S.N. Bose National Centre for Basic Sciences, Kolkata.	Theoretical and Computational Studies on the Thermoelectric Properties of Dichalcogenides and Bulk Monotellurides.
EM38.	Ravinder Kumar, TIFR, Mumbai .	Molecular breadboard circuits: Basis circuits and conformations.
EM39.	Sagar Ganguli, IISER Kolkata.	Edge of sulfides over pure oxides as water oxidation electrocatalysts: A study through electrochemistry, microscopy and nanoindentation on mesoporous NiCo ₂ O ₄ and NiCo ₂ O _x S _{4-x} .
EM40.	Sankar Das, S. N. Bose National Centre for Basic Sciences, Kolkata.	Synthesis of Hybrid Nanocomposites for High Performance CO ₂ Capture.
EM41.	Sayantani Das, Jadavpur University.	Synthesis and Characterization of All-Inorganic Perovskite CsPbX ₃ Nanocubes.
EM42.	Shammi Rana, IISER Pune.	Arresting Fe(II)-CN-Cu(I) Coordination Link at Solid-Liquid Interface for Electro-catalytic Application .
EM43.	Shib Shankar Singha, Brahmananda Keshab Chandra College.	Manganese Doped MoS ₂ Nanoflowers: An Efficient Material for Supercapacitor Electrode.
EM44.	Shoroshi Dey, Central Glass and Ceramic Research Institute, Jadavpur.	Synthesis and characterization of Ba _x Sr _{1-x} Co _{0.8} Fe _{0.2} O _{3-δ} based material for use as anode in solid oxide electrolyser cell
EM45.	Shubhadeep Pal, TIFR, Hyderabad .	Heterogeneous Catalysis using Mesoscopic interfaces.
EM46.	Shyni P, University of Calicut.	Morphological tuning of Bi ₂ Te ₃ For Thermoelectric Applications.
EM47.	Sirshendu Ghosh, Indian Association for the Cultivation of Science (IACS), Kolkata.	Optical Properties of Cs ₂ SnI ₆ Perovskite Nanoparticle.
EM48.	Somnath Acharya, IIT Mandi.	Enhanced Thermoelectric Performance in Transition Metal and Rare-Earth Element Doped SnTe.
EM49.	Sourabh Manna, IIT Kharagpur.	Developing a MATLAB based software for X-ray reflectometric characterization of thin films and multilayered structures
EM50.	Subhajit Nandy, IIT Madras.	Effect of oxygen vacancies on photoconductivity and photovoltaic properties of Bi _{1-x} CaxFeO _{3-d} thin films.
EM51.	Sudeshna Patra, Tata Institute of Fundamental Research, Hyderabad.	Solid State Ion Transport Membranes for Energy Applications.

EM52.	Sugata Mukherjee, S. N. Bose National Centre for Basic Sciences, Kolkata.	Transport properties of two-dimensional Nanomaterials and applications in thermoelectrics : Graphene, h-BN and related materials
EM53.	Sujan Maity, Indian Association for the Cultivation of Sciences, Kolkata.	1D-2D hybrid nanoelectronic device in view.
EM54.	Sumit Majumder, Saha Institute of Nuclear Physics.	Multifunctional reduced graphene oxide (RGO) wrapped circular Au nanoplatelets: enhanced photoluminescence, surface enhanced raman scattering, photocatalytic water Splitting and nonenzymatic biosensor .
EM55.	Suparna Bhattacharyya, Central Glass and Ceramic Research Institute, Jadavpur.	ZrO ₂ incorporated TiO ₂ based transparent hard reflective coatings on glass useful as a building component
EM56.	Susmita Bera, Central Glass and Ceramic Research Institute, Jadavpur.	A Ternary Plasmonic Cu-Ag/AgVO ₃ Heterostructured Photocatalyst for Solar Photocatalytic H ₂ Generation.
EM57.	Swapnil Deshpande, H. P. T. Arts and R. Y. K. Science College.	CO ₂ storage on functionalized holey C ₂ N monolayer: A Density functional study.
EM58.	Tapabrata Dam, Indian Association for the Cultivation of Science (IACS), Kolkata.	Investigation of Ion conduction mechanism and electrochemical performance of gel polymer electrolytes in EDLCs.
EM59.	Tapan Ghosh, IISER Kolkata.	H and J dimmers exclusively exist in polymorph of a single molecular semiconductor crystal: Optical outcome of molecular packing and shearing induced irreversible transformation of single crystal.

Spectroscopy & Biomedical Applications (SBA)

Serial No	Name & Affiliation	Title
SB1.	Anjoy Majhi , Presidency University	Interaction of 4- Azido coumarin, a fluorescent probe with Biomacromolecular systems

SB2.	Arindam Das, Indian Institute of Science Education and Research, Mohali	Study of environment effect on energy transfer between photosynthetic pigment molecules in solution by spectroscopic technique
SB3.	Arnab Samanta, S N Bose National Centre for Basic Sciences, Kolkata.	Mesoporous MnO ₂ nanocomposites exploring as an adsorbent and catalyst for waste water treatment
SB4.	Chaitrali Sengupta , S N Bose National Centre for Basic Sciences, Kolkata.	Photoinduced electronic interactions between acridine derivatives and leaf extract coated silver nanoparticles: A spectroscopic insight
SB5.	Damayanti Bagchi , S N Bose National Centre for Basic Sciences, Kolkata.	Light activated nanobiotic for destruction of bacterial infections
SB6.	Debasish Das Mahanta , S N Bose National Centre for Basic Sciences	Contrasting hydration dynamics in DME and DMSO aqueous solutions: A combined optical pump-probe and GHz-THz dielectric relaxation investigation
SB7.	Madhuri Mandal Goswami S N Bose National Centre for Basic Sciences, Kolkata.	Functionalized magnetic nanoparticles in theranostic purpose
SB8.	Pankaj Seliya, Indian Institute of Science Education and Research, Mohali	Solvation dynamics probed by two dimensional electronic spectroscopy
SB9.	Partha Pyne , S N Bose National Centre for Basic Sciences, Kolkata.	Molecular crowders affect ligand-DNA intercalation

SB10.	R. Biswas, Tezpur University	Quantitative estimation of lead ions in aqueous solution through tuned LSPR
SB11.	Ratnadwip Singha, Saha Institute of Nuclear Physics	Probing lattice dynamics and electron-phonon coupling in topological nodal-line semimetal ZrSiS
SB12.	Rup Kumar Chowdhury, IIT Kharagpur	Probing exciton and biexciton dynamics in layered WS ₂ using femtosecond transient absorption spectroscopy
SB13.	Rupam Dutta, IIT Kharagpur	Effect of micro-heterogeneity of different aqueous binary mixtures on the proton-transfer dynamics of [2,2'-Bipyridyl]-3,3'-diol: A femtosecond fluorescence upconversion study
SB14.	Sanchi Maithani, S N Bose National Centre for Basic Sciences, Kolkata.	High-resolution spectral analysis of 1,3 butadiene using cavity ring-down spectroscopy
SB15.	Sangeetha C, Government Arts and Science College	A novel composite matrix for controlled drug release.
SB16.	Sayantana Adak, S N Bose National Centre for Basic Sciences, Kolkata.	Development and applications of optical rectification based coherent terahertz spectroscopy system
SB17.	Sayoni Bhattacharya, S N Bose National Centre for Basic Sciences, Kolkata.	Development of a breath analyzer for non-invasive detection of stomach infection

SB18.	Sk Imadul Islam, S N Bose National Centre for Basic Sciences, Kolkata.	Study of two-photon induced absorption of rhodamine dyes bound with bovine serum albumin during thermal denaturation process
SB19.	Somsubhra Saha, Jadavpur University	Controlled aggregation of gold nanoparticles in the langmuir-blodgett film matrix of PMMA: An efficient SER
SB20.	Sourav Ghosh, Indian Institute of Engineering Science and Technology, Shibpur	Optical characteristics of Tb ³⁺ - Eu ³⁺ codoped sodium zinc lead phosphate glass
SB21.	Souvanik Talukdar, S N Bose National Centre for Basic Sciences, Kolkata.	Developing multifunctional magnetic ZnFe ₂ O ₄ nano hollow spheres for drug delivery by facile surface modification
SB22.	Sreyan Raha, Bose Institute, Kolkata.	Study of electron-phonon interaction in Tin (Sn) doped Germanium(Ge) nanowire
SB23.	Subrata Mondal, IIT Guwahati	Evolution of amyloid tetramer: Towards early stage therapeutics for Alzheimer's disease
SB24.	Tanushree Dutta, S N Bose National Centre for Basic Sciences	Bimetallic zeolitic imidazolate framework as an active excipient of a therapeutic drug molecule
SB25.	Tara Shankar Bhattacharya, Bose Institute	Enhanced light emission in hexagonal Bi ₂ Se ₃ thin film coupled with plasmonic nanoparticles
SB26.	Triparna Datta, Institute of Engineering and Management	Modelling of the response of bulk acoustic wave based devices in bio sensor applications

SB27.	Tuhina Mondal, Indian Association for the Cultivation of Science	White light emission from a rare earth-free intrinsic metal organic framework
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Soft Matter & Quantum Dynamics (SMQD)

Poster No.	Name & Affiliation	Title
SM1.	Abhinav Srivastava, IIT Jodhpur, Jodhpur, India.	Dynamical heterogeneities of chemically confined hydrated water near lipid membranes at room temperature.
SM2.	Anindita Chakraborty, Assam University, Silchar-788011, India	Monodisperse Fe ₃ O ₄ nanoparticles encapsulated Zinc imidazole frameworks (ZIF-8) for adsorptive removal of Cr (VI).
SM3.	Arpita Srivastava, IIT Jodhpur, Jodhpur, India.	All atom and coarse grained molecular dynamics simulations of asymmetric mixed surfactant bilayers.
SM4.	Arunava Adak, S N Bose National Centre For Basic Sciences, Kolkata.	Quantum chemical studies on coordination of metal ion to milk-protein, alpha lactalbumin (aLA).
SM5.	Debajyoti Debnath, Presidency University Kolkata.	Self-propulsion and transport properties of micro-swimmers.
SM6.	Debashis Kundu, Indian Institute of Technology Guwahati.	Development of carboxymethyl cellulose-xylan based hydrogels.
SM7.	Edwine Tendong, S N Bose National Centre For Basic Sciences, Kolkata.	Molecular dynamics study of water structure in asymmetric hydrophobic/hydrophilic nano confinement.
SM8.	Jayanta Mondal, IIT Kharagpur.	Green synthesis of multicolor carbon dot hydrogel and its application in graphitic materials sensing.
SM9.	Mitradip Das, NISER Bhubaneswar.	Computational investigation of structure and dynamics of choline-chloride based deep eutectic solvents
SM10.	Nitai Patra, Jadavpur University.	Influence of solvent, NaCl, β -CD on the krafft temperature and solvents on aggregation of sodium tetradecyl sulfate.
SM11.	Piya Patra, MAKAUT, West Bengal.	Anion recognition and specificity of C α NN motif in functional proteins
SM12.	Priya Singh, S N Bose National Centre For Basic Sciences, Kolkata.	Modulation of solvation and molecular recognition of a lipid bilayer under dynamical phase transition.

SM13.	Pushpendra Singh, Amity University Rajasthan.	Measurement & theoretical simulation of water inside and outside of a single microtubule nanowire.
SM14.	Saikat Pal , S N Bose National Centre For Basic Sciences, Kolkata.	Studying the effect of amino acids on the thermal stability of proteins.
SM15.	Sasthi Charan Mandal, S N Bose National Centre For Basic Sciences, Kolkata.	Recognition and cleavage of DNA by EcoRV restriction endonuclease with the help of magnesium ions.
SM16.	Sourav Das, Jadavpur University.	Interaction of a SAIL with a conventional surfactant.
SM17.	Subhamoy Singha Roy, IACS, Kolkata.	Yielding quantum dynamics of DNA.
SM18.	Sutapa Dutta, S N Bose National Centre For Basic Sciences, Kolkata.	Model studies on protein aggregation with competing hydrophobic and electrostatic interactions.
SM19.	Tanwi Debnath, University Of Calcutta.	Escape kinetics of a Janus particle carrying cargo.

Functional & Low Dimensional Materials (FLD)

Poster No.	Name & Affiliation	Title
FL1	Aminur Rahaman , IIT Kharagpur	Tetramer Orbital Ordering in Chiral Tetragonal Structure of MnTi ₂ O
FL2.	Aniruddha Das , Indian Institute of Technology Guwahati	A Dual Functional MOF-Based Fluorescent Sensor for Intracellular Phosphate and Extracellular 4-Nitrobenzaldehyde
FL3.	Ashwini Varpe, H.P.T Arts and R.Y.K. Science College	Synthesis and characterization of ZnFe ₂ O ₄ @Al ₂ O ₃ core-shell nanoparticles
FL4.	Dr. Badiur Rahaman, Aliah University	Comparative study of Sr ₂ Fe ₃ Ch ₂ O ₃ (Ch=S,Se): AFM spin S=2 ladder system

FL5.	Chandan Samanta, S. N. Bose National Centre for Basic Sciences	A study on wavelength dependent persistence photoconduction of indium gallium zinc oxide thin film
FL6.	Chiranjib Gogoi, Indian Institute of Technology Guwahati	A new quinoline based luminescent Zr(IV) metal-organic framework for the ultrasensitive recognition of 4-nitrophenol
FL7.	Debashis Das, Indian Institute of Engineering Science and Technology, Shibpur	Collective Excitation of Fractional Quantum Hall Effect of Bose particles
FL8.	Debashree Roy, IISER Pune	Facile Synthesis of Dimension Tunable Concave Au Nano cuboids with Insight into Growth Mechanism
FL9.	Debasmita Maiti , S. N. Bose National Centre for Basic Sciences	Quantum Phase Diagram of Frustrated Spin- $\frac{1}{2}$ System on a Trellis Ladder
FL10.	Dibyendu Dey , Indian Institute of Technology Kharagpur	Magnetic transition, nature of spiral state, and absence of electric polarisation in Sr doped YBaCuFeO5: A DFT + QMC study
FL11.	Didhiti Bhattacharya, S. N. Bose National Centre for Basic Sciences	Size dependent optical properties of MoS ₂ nanoparticles and its photocatalytic application
FL12.	Dipika Mandal, S. N. Bose National Centre for Basic Sciences	NiFe ₂ O ₄ Nano-Hollow Spheres with improved Magnetic and Dielectric Properties
FL13.	Indranil Chakraborty, S. N. Bose National Centre for Basic Sciences	Assemble of Bovine Serum Albumin with Fluorescent Tartrate Modified MnFe ₂ O ₄ Nano Hollow Sphere: An Effect on LMCT and d-d Transition
FL14.	Injamamul Arief , Universite Claude Bernard Lyon	Wool-Ball Shaped Core-Dual-Shell FeCo@SiO ₂ @MWCNTs Microcubes for Electromagnetic Interference (EMI) Shielding

FL15.	Joydeep Chatterjee, S. N. Bose National Centre for Basic Sciences	Why does the electronic structure of ReS ₂ show a weak dependence on the number of layers?
FL16.	Kotari Srinivasarao , Sasi Institute of Technology and Engineering	Effect of Titanium doping on gas sensing properties of MoO ₃ thin films
FL17.	Kavita Soni , Indian Institute of Technology Indore	Hole Injection by Zn- Doping and Non- Fermi Liquid Behavior in NdNiO ₃ Thin Films grown by Pulsed Laser Deposition
FL18.	Kimberly Hsieh , Indian Institute of Science	Impact of Electron Localization on Electrical Transport and Noise at Individual Grain Boundaries in Monolayer MoS ₂
FL19.	Kushal Mazumder , Indian Institute of Technology Indore	Preparation of Ni doped topological insulator Bi ₂ Se ₃ nanoparticles by hydrothermal method and discovering their enhanced field emission properties
FL20.	Dr. Manoj Kumar Bharty , Banaras Hindu University	Ni(II) and Mn(II) complexes of N'-(2-furan-3-carbonyl)hydrazine carbodithioic acid ethyl ester: Synthesis, spectral, structures, photoluminescence, thermal and electrochemical studies
FL21.	Mausumi Ray , S. N. Bose National Centre for Basic Sciences	Theoretical study on interaction at the nano-bio interface
FL22.	Md. Ali Aamir, Indian Institute of Science	Marginally Self-Averaging One-Dimensional Localization in Bilayer Graphene
FL23.	Monalisa Singh Roy , S. N. Bose National Centre for Basic Sciences	Majorana Modes in a Non-Superconducting Wire?
FL24.	Mukulika Jana Chatterjee , Indian Institute of Engineering Science and Technology	Role of Polypyrrole Synthesized with Different Oxidants as Visible Light Driven Photocatalysts towards the Degradation of Rose Bengal Dye
FL25.	Partha Pratim Mondal , CSIR Central Glass and Ceramic Research Institute	Development of Sol-gel Derived ZnCr ₂ O ₄ Based Nanoporous Thick Film Humidity Sensor

FL26.	Poonam Kumari , S. N. Bose National Centre for Basic Sciences	Engineering spin-valley physics in bilayers of MoSe ₂
FL27.	Poulami Barik , Vidyasagar University	Enhanced Dielectric behavior of Graphene Oxide / Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ composite compared to Graphene Oxide / ZnFe ₂ O ₄
FL28.	Pranav , Indian Institute of Technology Indore	Direct Exfoliation of Graphite from Carbon dots derived from Cannabis Sativa
FL29.	Pratap Pal , IIT Kharagpur	Engineering beyond-room temperature multiferroicity in Bi and Fe co-doped BaTiO ₃
FL30.	Dr. Pravas Kumar Panigrahi , Government College of Engineering Kalahandi, Bhubaneswar	Microwave-assisted Synthesis of Bismuth Sulfide Nanorods with small lateral dimension
FL31.	Preeti Lata Mahapatra , CSIR Central Glass and Ceramic Research Institute	Effect of Surface Functionalization and Modification of Structure on Moisture Sensitivity of MWCNT.
FL32.	Puja Ghosh , CSIR Central Glass and Ceramic Research Institute	Bi-functional Applications of Nano-Structural Zinc Stannate
FL33.	R L Narendran, IIT Madras.	Charge Transfer Driven Self-Assembly of Functional Amphiphiles
FL34.	Dr. Rabindra Nath Gayen , Presidency University	Transparent Graphene Oxide-Zinc Oxide nanocomposite thin films for Optoelectronics application
FL35.	Rabindranath Bag, Indian Institute of Science Education and Research, Pune	Excess specific heat from the gapped sliding phonon modes in the incommensurate composite crystal Sr ₁₄ Cu ₂₄ O ₄₁
FL36.	Rana Dalapati, IIT Guwahati	Sol-gel Synthesis of Monolithic UiO type Metal-Organic Framework from MetalOrganic Gel

FL37.	Rupali Rakshit , The Institute of Scientific and Industrial Research, Osaka University	Metallicity in Conventionally Insulating Co ₃ O ₄ Micro-hollow Spheres
FL38.	Saurav Islam , Indian Institute of Science, Bangalore	Origin of low temperature saturation of phase coherence length in topological insulators
FL39.	Sayan Bayan , S. N. Bose National Centre for Basic Sciences	2D-graphitic carbon nitride with modified light emission characteristics
FL40.	Shama Perween , Rajiv Gandhi Institute of Petroleum Technology	Lauric acid-Stearic acid binary mixtures in electrospun PVA-PDMS mats: Altered phase behaviour of the mixture and improved mechanical properties of the mats
FL41.	Shewli Pratihar , CSIR Central Glass and Ceramic Research Institute	Sol-gel synthesized ZnO rods of different aspect ratio for self-powered sensor application
FL42.	Shyamasree Gupta , National Institute of Technology, Durgapur	Highly selective Formaldehyde Gas Sensor: wet-chemical synthesis of hierarchical flowerlike ZnO nanostructure
FL43.	Snehamoyee Hazra , S. N. Bose National Centre for Basic Sciences	Hydrothermal growth of PZT (Lead Zirconate Titanate) nanowires
FL44.	Soumya Ranjan Das, Indian Institute of Science Education and Research, Tirupati	Layer-by-Layer Oxidation Induced Electronic Properties in Transition-Metal Dichalcogenides
FL45.	Dr. Soumya Saswati Sarangi , Veer Surendra Sai University of Technology (VSSUT)	Molecular Dynamics Simulation Studies On Size dependent Melting Mechanism of Gold nanoclusters
FL46.	Sourabh Pal, IIT Kharagpur	Piezo-phototronic mediated enhanced photodetection of Au-g- C ₃ N ₄ /CdS/ZnO based flexible heterojunction device
FL47.	Sourav Ghosh , IISER Kolkata	Mesoporous γ -Al ₂ O ₃ : Template free design and Catalytic efficiency towards conversion of Epoxide to Cyclic Carbonate

FL48.	Soutick Nandi, Indian Institute of Technology Guwahati	A Metal-Organic Framework Showing Highly Selective and Sensitive Detection of Exogenous and Endogenous Formaldehyde
FL49.	Subhrajit Mukherjee , IIT Kharagpur	MoS ₂ -PbS Hybrid Heterostructure for Infrared Photodetector
FL50.	Sujay Ray , Indian Institute of Science	Wannier Pairs in the Superconducting Twisted Bilayer Graphene and Related Systems
FL51.	Sumanti Patra , S. N. Bose National Centre for Basic Sciences	Evolution of electronic structure with increasing layers of MX ₂ (M=Mo,W and X=S,Se and Te)
FL52.	Topi Ghosh , IIT INDORE	Hybrid supported cobalt doped cerium oxide as a heterogeneous catalyst towards efficient catalytic organic transformation.
FL53.	Tuhin Maji , S. N. Bose National Centre for Basic Sciences	Halide-Modulated Functionality of Wide Band Gap Zinc Oxide Semiconductor Nanoparticle
FL54.	Utkarshita Kaushal, CSIR Central Glass and Ceramic Research Institute	Fabrication and Characterization of Porous Alumina-Zirconia Composite for Support Application in Dense Ceramic Membrane Assembly for Gas Separation
FL55.	Venkatesh Chandragiri , Saha Institute of Nuclear Physics	Electronic structure of NbIrX ₄ (X = Te, Se and S) compounds in monolayer form: Searching for topological features
FL56.	Kotha Vishal , Indian Institute of Technology Bombay	Low Temperature Synthesis of K-doped LaMnO ₃ Microcubes

Magnetism, Spintronics & Superconductivity (MSS)

Poster No.	Name & Affiliation	Title
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MS1.	Alorika Chatterjee, Indian Association for the Cultivation of Science, Kolkata, India	Investigation of Multiferroic Behavior in $\text{Co}_{0.8}\text{Cu}_{0.2}\text{Cr}_2\text{O}_4$
MS2.	Amit Kumar Naiya, UGC-DAE Consortium for Scientific Research, Indore	Low Temperature Thermal Study on GaFeO_3
MS3.	Amit, Indian Institute of Science Education and Research (IISER) Mohali, India	Evidence of Conventional Superconductivity in the Type-II Dirac Semimetal PdTe_2
MS4.	Amrit Kumar Mondal, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Investigation of Magnonic Band Structure in Array of Connected Ferromagnetic Dots
MS5.	Ankita Sarkar, Indian Association for the Cultivation of Science, Kolkata, India	Tuning of Magnetic Ground State of CoAl_2O_4 Spinel Oxide
MS6.	Anulekha De, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Influence of Lattice symmetry on Spin-Wave Mode Conversion in Two Dimensional Antidot Magnonic Crystal
MS7.	Anup Debnath, Indian Association for the Cultivation of Science, Kolkata, India	Ferromagnetic Ordering in a Stable $\alpha\text{-Co(OH)}_2$ Phase Grown on a MoS_2 Surface
MS8.	Anupam Banerjee, Indian Association for the Cultivation of Science, Kolkata, India	Magnetic Behaviour in the Non-centrosymmetric Spin System $\text{R}_2\text{Cu}_2\text{O}_5$

MS9.	Anupam Gorai, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Study of Exchange Coupled Core-Shell Nanostructures
MS10.	Apurba Dutta, Saha Institute of Nuclear Physics, Kolkata, India	Observation of Griffith's Phase in Undoped Multiferroic GaFeO ₃ Compound
MS11.	Arindam Samanta, IIT Kharagpur, West Bengal, India, IIT Madras, Chennai, India.	Structural and Electrical Properties Study of Nanostructure Perovskite Oxides $Ba_{1-x}Nd_xTi_{1-y}Cr_yO_3$ (x=0.05, 0.10 & y=0.05, 0.10) Prepared via Solid State Method
MS12.	Arundhati Adhikari, S. N. Bose National Centre for Basic Sciences, Kolkata, India.	Investigation and Application of Anisotropic Properties in Pseudo One Dimensional Magnonic Crystal.
MS13.	Avinash Kumar Chaurasiya, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Direct Observation of Unusual Interfacial Dzyaloshinskii-Moriya Interaction in Graphene/NiFe/Ta Heterostructure
MS14.	Bibekananda Das, IIT Madras, Chennai, India	Structural, Morphological and Magnetic Properties of ZnO/La _{0.7} Sr _{0.3} MnO ₃ Heterostructures
MS15.	Joynarayan Mukherjee, TIFR Centre for Interdisciplinary Sciences (TCIS), Hyderabad, India	Anomalous Hall Effect in a Non-collinear Antiferromagnet.
MS16.	Kartik Adhikari, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Tunable Spin Configuration and Spin Dynamics in Arrays of Ni ₈₀ Fe ₂₀ Nano-Cross Structures
MS17.	Koustuv Dutta, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Field Controlled Spin Wave Dynamics for Permalloy Triangular Nanorings

MS18.	Krishanu Ghosh, P. C. Vigyan Mahavidyalaya, Bihar, India	Griffiths-like Phase in Frustrated $GdFe_{0.17}Sn_2$ Compound
MS19.	Krishna Begari, Indian Institute of Technology Hyderabad, India	Reprogrammable Microwave Properties in Single and Multilayer Nanomagnets
MS20.	Kriti Gupta, Indian Institute of Science Education and Research (IISER), Pune, India	Metamagnetism in Nanosheets of Co(II) MOF Exhibiting Giant Hysteretic Effect at Low Temperatures
MS21.	Lakshman Dhal, IIT Madras, Chennai, India	Magnetocaloric Effect in Electron-Doped Manganites $R_{0.15}Ca_{0.85}MnO_3$ (R = Y, Gd and Dy)
MS22.	Maheeb Alam, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Room Temperature Ferromagnetism and Ferroelectricity in Double Perovskite Y_2NiMnO_6 Nanostructured Thin Films
MS23.	Malvika Tripathi, UGC DAE CSR Indore, India	Local Short-scale Correlations and the Origin of Pseudo-diamagnetism
MS24.	Mithun K Ghosh, Indira Gandhi National Tribal University, M. P., India	Dye Adsorption, Separation and DNA Binding Activity of Cobalt and Nickel Complexes of syn – 2 – Pyridinealdoxime
MS25.	Mithun Kumar Majee, IIT Indore, India	Magnetic Properties of $LiNi_{0.75}M_{0.25}O_2$ (M = Al and Fe)
MS26.	Nilay Maji, IIT Kharagpur, West Bengal, India	A Comparative Study on Spin Valve like Magnetic Tunnel Diode Behavior of $Co_2MnSi/SiO_2/p-Si$ and $Co_2MnSi/SiO_2/n-Si$ Heterostructures

MS27.	P. Iyyappa Rajan, Chemistry Division, School of Advanced Sciences, Vellore Institute of Technology (VIT), Chennai, India Indo – Korea Science and Technology Center (IKST), Korea Institute of Science and Technology (KIST), Bangalore, India	Structure, Electronic Structure and Physical Property of YbFe_2As_2
MS28.	Payel Das, Jadavpur University, Kolkata, India	Current-voltage Characteristics in Superconducting $\text{Nd}_{1-x}\text{Ce}_x\text{Ba}_2\text{Cu}_3\text{O}_{6.9}$ and Possibility of Kosterlitz-Thouless Transition
MS29.	Prachi Telang, Indian Institute of Science Education and Research (IISER), Pune, India	Electronically Driven Lattice Instability in the Candidate Weyl Semimetal $\text{Eu}_2\text{Ir}_2\text{O}_7$
MS30.	Priyanka Saha, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Effect of Particle Size and Morphology on the Rheological Response of Fe_3O_4 Nano Structures Based Magnetic Fluid
MS31.	Roshna S H, IIT Madras, Chennai, India	Phonon Mode Analysis and Related Crystal Properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrRuO}_3$ Superlattices
MS32.	Samiran Choudhury, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Electric Field Modulation of Propagating Spin Wave Properties in Ultrathin CoFeB film
MS33.	Sanjib Banik, Saha Institute of Nuclear Physics, Kolkata, India	Effect of A-site Ionic Radius on Metamagnetic Transition in Charge Ordered $\text{Sm}_{0.5}(\text{Ca}_{0.5-x}\text{Sr}_x)\text{MnO}_3$ Compounds

MS34.	Santanu Pan, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Anisotropic Spin Pumping in Heavy Metal/Ferromagnet/Heavy Metal Trilayer Structure Observed from Ultrafast Laser Induced Magnetization Dynamics
MS35.	Saswati Barman, Institute of Engineering & Management, Kolkata, India	Magnetic Flux Closure Structure Based Logic Gates and Switches
MS36.	Satadeep Bhattacharjee, Indo-Korea Science and Technology Center (IKST), Bangalore, India	Structural and magnetic properties of pure and doped Fe ₂ P
MS37.	Shoumi Roy, Jadavpur University, Kolkata, India	Impact of Repetitive Gaussian Pinning Force Density on Some Specific Distribution of Superconducting Grains
MS38.	Snehal Mandal, Saha Institute of Nuclear Physics, Kolkata, India	Structural and Transport Properties of Sm _{0.5} Ca _{0.25} Sr _{0.25} MnO ₃ Thin Films on LaAlO ₃ and SrTiO ₃ Substrates
MS39.	Sourav Chakraborty, Saha Institute of Nuclear Physics, Kolkata, India	Ferromagnetic Windows in Diluted Classical Kondo Lattice Model
MS40.	Sourav Kanthal, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Unique Magnetic Property of Mineral Francisite Cu ₃ Nd(SeO ₃) ₂ O ₂ Cl
MS41.	Sourav Sahoo, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Ultrafast Magnetization Dynamics in a Three-Dimensional Nanoscale Structure
MS42.	Srabantika Ghose, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Study on Leakage Current and Dielectric Characteristics of Multiferroic Gallium Ferrite

MS43.	Subhajit Pal, National Institute of Science Education & Research, India	Yu-Shiba-Rusinov Bound States Induced by a Spin Flipper in the Vicinity of a s-wave Superconductor
MS44.	Subrata Ghosh, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Effect of Si Doping on Magnetic and Magnetocaloric Properties of Ni–Co–Mn–Sn Alloys
MS45.	Sucheta Mondal, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Time-Domain Detection of Thickness Dependent Spin-Hall Angle in β -Ta/CoFeB/SiO ₂ Heterostructure
MS46.	Sudeep Kumar Ghosh, University of Kent, United Kingdom	Time-reversal Symmetry Breaking in Superconductors Through Loop Josephson-current Order
MS47.	Sudip Majumder, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Efficient Tunability of Spin Wave Dynamics in Two-Dimensional Diamond Shaped Ferromagnetic Nanodots Array
MS48.	Sudipta Bandyopadhyay, University of Calcutta, Kolkata, India Center for Research in Nanoscience and Nanotechnology, University of Calcutta, Kolkata, India	Structural, Optical, Magnetic and Electronic Properties of Ion Irradiated Co Doped ZnO Film
MS49.	Suman Kalyan Pradhan, Indian Association for the Cultivation of Science, Kolkata, India	Exchange Bias Effect in Rare Earth Chromites
MS50.	Suman, Tata Institute of Fundamental Research (TIFR), Hyderabad, India	Magnetism Control of Metal Pthalocyanine Molecules on Magnetic Substrate

MS51.	Supriyo Majumder, UGC DAE Consortium for Scientific Research	Anti-site disorder modulated unusual magnetic properties in Sm ₂ NiMnO ₆ double perovskite
MS52.	Surya Narayan Panda, S. N. Bose National Centre for Basic Sciences, Kolkata, India	All Optical Detection of Spin Pumping Induced Interfacial Spin Transparency in CoFeB/ β -Ta Thin Films
MS53.	Susanta Kumar Mohanta, Government College of Engineering, India	On the Giant Magnetic Moment of Fe in Pd _{1-x} U _x Alloys
MS54.	Susmita Saha, ETH Zurich, Switzerland Paul Scherrer Institut, PSI, Switzerland	Confinement and Controlled skyrmion Motion in Magnonic Antidot Lattices
MS55.	Suvayan Saha, Center for Research in Nanoscience and Nanotechnology, University of Calcutta, Kolkata, India	Strain Induced Evolution of Griffiths Phase in Polycrystalline La _{0.4} (Ca _{1-x} Sr _x) _{0.6} MnO ₃ (x=0.4, 0.5, 0.6) compounds
MS56.	Swarnali Hait, S. N. Bose National Centre for Basic Sciences, Kolkata, India	Formation of Nanosized Hollow spheres of Multiferroic Bismuth Ferrite
MS57.	Tania Chatterjee, CSIR-Central Glass and Ceramic Research Institute, Kolkata, India	Investigation of Magnetic Property in Graphene Oxide and Bismuth Ferrite Nanocomposite
MS58.	Tanmay Chabri, IIT Kharagpur, West Bengal, India	Field Induced Martensite Transition and Magnetocaloric Effect in Ni ₄₅ Mn ₄₄ Sn ₇ In ₄ Heusler Alloy

