



NBL -2023 Summit @ NIT Srinagar



Program at a Glance

Poster schedule NBL-2023

25th - 29th May, 2023

Session 1				
Day 2, 26 th May, 2023				
Time 11:00 am - 1:00 pm				
Session	Poster ID	Title of Poster	Presenting Author	Author's Affiliation
1.	P-3		Rahul Chaudhary	CRSU Jind, Haryana
2.	P-5	Enhanced thermal stabilization of gallium-doped Ge ₂ Sb ₂ Te ₅ thin films	Neeru Bala	Punjabi University, Patiala
3.	P-7	Kinetics of phase-separation of polymeric fluid melts of various topologies	Avinash Chauhan	IIT BHU, Varanasi
4.	P-11	Stability and efficiency enhancement in organic solar cells using modified Cobalt (II) acetate as hole transport layer	Hemraj Dahiya	LMN Institute of Information Technology
5.	P-12	Visible light-induced photoreduction of cadmium by biosynthesized ZnO nanoparticles supported on bentonite	Kahnsa Rehman	NIT Calicut
6.	P-16		Tuiba Mehraj	JMI, New Delhi
7.	P-19	Comparative Study of Anti Corrosive Efficiency of Nano Carbon Dot (from fish waste) reinforced commercial epoxy polymers	Gopika R	ICAR-CIFT
8.	P-20	In silico characterization and expression profiling reveals the role of barley HSFC _{2c} gene in stress response	Sumit Kumar Mishra	IIT Roorkee
9.	P-23	Structural and optical study of pure CuI thin film by thermal vaporation technique	Sameer Ranjan	NIT Rourkela
10.	P-26	Bio-manufactured Graphitic Sheet Based Carbon Aerogel for Water Purification and Beyond	M Shaharyar Wani	Princeton University, USA

11.	P-27	Pyrolysis process based CQDs synthesized using different precursor and their application in photocatalytic degradation of Rhodamine B (RhB)	Amit Ahlawat	DCRUST Murthal
12.	P-28	Blue-light excitable Ultra-broad light emitting Ce ³⁺ /Cr ³⁺ co-doped garnet phosphor for white light emitting device and optical thermometry applications	Neeraj Kumar Mishra	IIT Dhanbad
13.	P-32	Two-photon Lithography-assisted 4D Printing of a Miniaturised Organo-arsenic Sensor	Sweta Rani	IIT Bombay
14.	P-35	Iron-based Hybrid Phosphonate material for Chemical Fixation of CO ₂ into Cyclic Carbonate	Naveen	MNIT Jaipur
15.	P-37	Low-Cost Green synthesis of BaFe ₂ O ₄ nano-structures for memory devices Applications	M Rehan Ansari	University of Delhi
16.	P-38	Magnetic Energy dissipative factors of spin-coated Y ₃ Fe ₅ O ₁₂ thin films	Rajnandini Sharma	IIT BHU, Varanasi
17.	P-42	EXPERIMENTAL STUDY OF CEMENT SUPPLEMENTS ON HIGH STRENGTH CONCRETE	G Karthikeyan	Kumaraguru College
18.	P-45	Study of Crystallite Size of CuInS ₂ Nanospheres and Nanowhiskers Determined from X-ray Diffraction	Ranjan Kr. Giri	Sardar Patel University
19.	P-46	Investigation of photocatalytic activity of homologous compounds (ZnO) _k In ₂ O ₃ (k=3, 5 & 7) in visible light towards dye degradation	Abhishek Ramdas	Symbiosis Institute, Pune
20.	P-47	First Principles Study on Electronic and Structural Properties of TiS ₃ Under High Pressure	A R Atique Ulla	BARC
21.	P-49	Fabrication and characterization of graphene oxide and reduced grapheme oxide	Anurag Gartia	NIT Rourkela
22.	P-57	Growth kinetics and morphology characterization of binary polymeric fluid under random photo illumination	Ashish Kumar Singh	IIT BHU, Varanasi
23.	P-58	Insulator-metal-transition and near-field nano-imaging in vo ₂ thin film	Pawan Kumar Ojha	IIT BHU, Varanasi
24.	P-61		Aishwarya Chaudhuri	IIT BHU, Varanasi
25.	P-67	Cost-effective production of H ₂ and sulfur by electrochemical decomposition of H ₂ S	Kalpana Garg	IIT Ropar

26.	P-72	Optical Properties of Chemical Bath Deposited NbSe ₂ Thin Film	Shivani R.K. Bharucha	C.V.M. University
27.	P-77	Self-assembly of miktoarm star polymeric fluid in different solvents	Devendra Kumar Verma	IIT BHU, Varanasi
28.	P-86	Experimental and computational insights into luminescence in atomically precise bimetallic Au _{6-n} Cu _n (MPA) ₅ (n=0-2) clusters	Aarti Patil	INST Mohali
29.	P-87	Cationic Polymer Functionalized Copper Nanocluster Based Fluorescent Probe for the Selective and Sensitive Detection of S ²⁻ Ions	Rashi	INST Mohali
30.	P-91	Microstructure and Ferroelectric properties of Barium Titanate based ceramics	Arjit	Amity University
31.	P-92		Rakesh Suthar	IIT Delhi
32.	P-94	First-Principle Investigation with the Thermoelectric study for a hexagonal monolayer of group III-VA Metal-Phosphides	Janvi Gajjar	SVNIT Surat
33.	P-95	Effect of sintering temperature and time on the microstructure and ferroelectric properties of BCZT ceramics	Salma Shahni	Amity University
34.	P-104	Detection of Mercury in Seawater using Carbon Dot-Carboxymethyl Chitosan Sensor with Electrochemical Impedance Spectroscopy	Arundhathi S	Kerala University of Fisheries and Ocean Studies
35.	P-106	Synthesis of High-Quality 3D Graphene on Cast Catalyst by Chemical Vapor Deposition	Anshuman	BARC Mumbai
36.	P-111	Facile Fabrication of superhydrophobic surfaces by Stereolithography modified with ZnO nanoparticles	Thanseeha Sherin PA	SRM University
37.	P-114	Ni ₃ V ₂ O ₈ @g-CN nanocomposite based p-n heterojunction: Mechanistic insights on photocatalytic activation of inert C(sp ³)-H bond	Anjali Verma	INST Mohali
38.	P-117	Dissipative particle dynamics simulation study on emulsion formation by Janus Particle	Samiksha Shrivastava	IIT BHU, Varanasi
39.	P-122	Effect of sm(dbm) 3 phen incorporation methodology on	Pooja	NIT Kurukshetra

		pectroscopic properties of PVA nanofibers		
40.	P-123		Rachana Sain	IIT BHU, Varanasi
41.	P-124	Tuning of band gap of graphitic carbon nitride by metal doping	Shakti Priyadarshan	IIT BHU, Varanasi
42.	P-126		Gargi	IIT BHU, Varanasi
43.	P-129	Fabrication of Sn based 2D materials for next generation device applications	Sai Lakshmi Janga	SRM University
44.	P-130	Effect of Sm(DBM) ₃ phen incorporation methodology on spectroscopic properties of PVA nanofibres	Pooja Devi	NIT Kurukshetra
45.	P-131	Photoelectrochemical performance of Titania nanotube array-based photoanode	Arshid Ahmad Mir	NIT Srinagar
Session 2				
Day 2, 26th May, 2023				
Time 2:00 pm - 4:00 pm				
46.	P-138	Cr Substituted CdSe Diluted Magnets as a Dual Imaging Probe	Nilja George	SRM University
47.	P-141	Possible fine tuning of methane activation towards c2 Oxygenates via 3d- transition metal-ions doped ceria-zirconia	Subhashree Swagatika Kanungo	CSIR-NCL
48.	P-144		Neha Sain	Banasthali Vidyapeeth
49.	P-147	Synthesis and characterization of composite electrolytes based on Gadolinium-doped ceria and Na/K/Li carbonates	Durgesh Pal	VNIT Nagpur
50.	P-150	Investigation of room temperature exchange spring behavior in SrFe ₁₂ O ₁₉ /CoFe ₂ O ₄ nanocomposites	Gitesh Ishwarji Choudhari	VNIT Nagpur
51.	P-151	Structural and optical properties of sonochemically prepared undoped and Sb-doped SnO ₂ nanoparticles	Towseef Ahmad Shirgojri	NIT Srinagar
52.	P-171	A Lead-Free Perovskite Na _{0.5} Bi _{0.5} TiO ₃ : Investigation on Microstructural, and Dielectric Properties for Actuator Applications	Saba Shahin	VNIT Nagpur
53.	P-172		Subrata Paul	Saha Institute of Nuclear Physics
54.	P-174	Fabrication of 2D transition metal oxides and their device applications	Kalyan Kurapati	SRM University

55.	P-175	Titanium incorporated zirconium based UiO-66 MOF for rapid neutralisation of chemical warfare agent simulants	Yogesh Kumar	DIAT
56.	P-176		Yukti	NIT Kurukshetra
57.	P-177	Impact of Electrode Surface Morphology in Tantalum Oxide Based Resistive Random Access Memory	Darshika	BML Munjal University
58.	P-178	AgTiO ₃ synthesis and photocatalytic degradation of tetracycline	Alvina Joseph	Amal Jyothi College
59.	P-179	An insight towards the photo-generation of H ₂ and multifarious carbon fuel additive from biomass-derived ethanol: Boosting the biochemical economy	Deepak Kumar Chauhan	INST Mohali
60.	P-180		Shuvankar Das	Saha Institute of Nuclear Physics
61.	P-181	REGIONAL LANGUAGE TRANSLATOR	Achsha Robinson	Fr. Conceicao Rodrigues Institute of Technology
62.	P-183	Synthesis and Characterization of A-site Monovalent doped SrCeO ₃ system	Arpita Tripathi	IIT BHU, Varanasi
63.	P-185	Copper based magnetic beads as an emerging catalyst for the synthesis of 1,4-disubstituted 1,2,3-triazoles in aqueous media	Neetu Mev	MNIT Jaipur
64.	P-186	Oxidation of HOSO by O ₂ : A key reaction deciding the fate of HOSO in the Atmosphere	Philips Kumar Rai	MNIT Jaipur
65.	P-187	Investigation of the structural and photometric properties of SnO ₂ - incorporated polycarbazole nanocomposite for emissive layer material	Sanjeev Kumar	IIT BHU, Varanasi
66.	P-188		Dharmveer Yadav	IIT Bombay
67.	P-193	Ni-Co based Selenide for High Energy Density All-Solid-State Asymmetric Pseudocapacitors	Siddhant Srivastava	MNIT Jaipur
68.	P-194	External Electric Field as a Catalyst for Ammonia Formation Via Reaction Of N ₂ and N-Hetrocyclic Carbene	Priyanka Yadav	MNIT Jaipur
69.	P-200	EXPLORATION OF STRUCTURAL AND MICROWAVE PROPERTIES OF Ba _{1-x} Nd _x Fe ₁₂ O ₁₉ (0 ≤ x ≤ 0.20)	Riyaz	AMU Aligarh

70.	P-204	Magneto-transport properties of Bi_2Te_3 topological insulator and $\text{La}_{1.8}\text{Pr}_{0.2}\text{CoFeO}_6$ ferromagnet	Sneha Yadav	IIT BHU, Varanasi
71.	P-210	PROBING THE STRUCTURE AND FERROELECTRIC PROPERTIES OF THE (Gd, Co) CO-DOPED LaFeO_3 PREPARED BY SOL-GEL TECHNIQUE	Daud Ahmad Ansari	AMU Aligarh
72.	P-212		Ashish Kumar Ranjan	IIT BHU, Varanasi
73.	P-218	Functionalised zirconium phosphate based nanoporous material for conversion of CO_2 into cyclic carbonates	Sarika Yadav	MNIT Jaipur
74.	P-219		Rajnikant Upadhyay	IIT BHU, Varanasi
75.	P-220 a		Sachin Singh	IIT BHU, Varanasi
76.	P-220 b	Microwave Assisted Synthesis of Superparamagnetic Fe_3O_4 Nanoparticles Using Zea mays Extract for Magnetic Hyperthermia	Fouzia Khan	
77.	P-225	Rational fabrication of V_2O_5 nanoribbons for superior electrolyte- capacitor	Arun Kumar Singh	IIT Bomaby
78.	P-227		Ved Prakash Joshi	IIT Jammu
79.	P-228	Synthesis of Zinc oxide nano- and microstructures using a simple aqueous solution-based seedless method	Viralikumari H. Patel	IIT Bombay
80.	P-241	Opto-electrical properties of solution-processed $\text{CuFe}_2\text{O}_4/\text{TiO}_2$ heterojunction thin films	Parul Garg	IIT Jammu
81.	P-245		Manjari Shukla	Centre for Advanced Studies
82.	P-247		Amit Brar	IIT BHU, Varanasi
83.	P-248		Nitish Kumar	IIT Jammu
84.	P-249		N. Sai Anurag	IIT BHU, Varanasi
Session 3				
Day 3, 27th May, 2023				
Time 11:00 am - 1:00 pm				
85.	P-250	Dynamical Quantum Phase Transition in Skyrmions	Vipin	IIT BHU, Varanasi
86.	P-259	Band gap modification of few layer MoS_2 by swift heavy ion irradiation	Mayur Khan	IUAC New Delhi

87.	P-260	Microstructure and Ferroelectric properties of Barium Titanate based ceramics	Arijit	Amity University
88.	P-262	Zr-MoF decorated on pineapple derived ac nanosheets as an electrode material for supercapacitor	Ashwinder Kaur	Punjabi University, Patiala
89.	P-263	A DFT STUDY OF DOUBLE PEROVSKITE Ba_2SmRuO_6	Neha Sharma	Punjabi university, Patiala
90.	P-284	Impact of Barium oxide on alkali containing Phosphoborate Bioactive Glasses	Rajesh Rohilla	DCRUST Murthal
91.	P-296	Exploring the potential of organic insulating materials in remote areas of Kashmir valley for sustainable building construction	Suhail Ahad	NIT Srinagar
92.	P-318	SURFACE ENHANCED RAMAN SPECTROSCOPY (SERS) OF ANIONIC AND CATIONIC DYES WITH SILVER NANOTRIANGLES	Haritha Joseph	IIT Bombay
93.	P-322	Effect of UV irradiation on resistive memory device based on a biodegradable and biocompatible plant Ipomea Carnea	Farhana Yasmeen Rahman	Tripura University
94.	P-323		Raunak Sharma	NIT Srinagar
95.	P-324		Aman Singhal	IIT Bombay
96.	P-325		Akanksha Sharma	IIT Bombay
97.	P-326		Soumi Mukherjee	IIT Bombay
98.	P-347	Analyses of dielectric parameters of propanol-ethylene glycol binary system at microwave frequency	Ankush D. Awankar	Vidarbha Institute of Science & Humanities
99.	P-348		Shah Arif Ul Islam	Amar Singh College
100.	P-349	Investigate the structural, Morphological and Optical Characteristics of the Triple Perovskite $La_3Ni_2SrO_9$	Aaqib Rashid	NIT Srinagar
101.	P-350	Influence of Hybrid Nanofluid containing the mixture of Sunflower Oil + MWCNTs + Al_2O_3 on Machining Performance	Vishal Bhise	DBATU Maharashtra
102.	P-353	Ab initio study of mechanical parameters and magnetic	Payal	Panjab University, Chandigarh

		properties of fetivni and fecovni high entropy alloys		
103.	P-363	Structural stability, Optical Analysis and Morphological Behaviour of Triple Perovskite $Sr_3Sb_2CoO_9$	Muntha Majeed	NIT Srinagar
104.	P-361	Effect of crumb rubber-nanosilica composite on soft grade asphalt rheological properties	Tabish Mehraj	NIT Srinagar
105.	P-362	Effect of sbs-nanosilica composite on bitumen rheological properties	Kulsuma Salam	NIT Srinagar
106.	P-366		Laxmi Chaudhari	
107.	P-369		Ishfaq Ahmad	
108.	P-380	Surface enhanced raman spectroscopy (SERS) of anionic and cationic dyes with silver nanotriangles	Twinkle Soni	IIT Bombay
109.	P-381		Sarthak Saxena	IIT Bombay
110.	P-382	Laser patterning of electrospun pvdf membranes for oil-water separation	Rohan Mondal	
111.	P-383		Rajat Sharma	
112.	P-386		Zahir Iqbal	
113.	P-391	Comparative study of structural properties of Gd_2NiMnO_6 and A-site Barium doped Gd_2NiMnO_6	Rufeen Ahmad	CU Kashmir
114.	P-392	Comparative study of structural properties of Gd_2NiMnO_6 and A-site Barium doped Gd_2NiMnO_6	Feroz Ahmad	CU Kashmir
115.	P-399	Structural, Electric, magnetic, and Magneto-Dielectric properties of $(1-x) Ba_{0.95}Yb_{0.05}TiO_3-xNiFe_{1.95}Yb_{0.05}O_4$ multiferroic composites	Mudasir Ahmad Rather	
116.	P-401	The kinetic and thermodynamics barriers for determination of temperature depended nucleation rate and interfacial energy of magnesium nanoclusters using non- isothermal models	Prachi Srivastava	IIT BHU, Varanasi
117.	P-402		Mudassar Masood Naik	BGSBU Rajouri
118.	P-407	Designing g- C_3N_4 with extended visible-light absorption via co-polymerization	Simon Joyson Galbao	Manipal Institute of Technology

119.	P-408	Origin of dopant's valence state dependent H ₂ evolution rate in BaTiO ₃ photocatalyst	Sujana C	Manipal Institute of Technology
120.	P-412	COPPER BASED MAGNETIC BEADS AS AN EMERGING CATALYST FOR THE SYNTHESIS OF 1,4-DISUBSTITUTED 1,2,3-TRIAZOLES IN AQUEOUS MEDIA	Lalita Yadav	MNIT Jaipur
121.	P-413	The influence of dipolar interactions in nano magnetic nano fluid's viscosity in static magnetic field	Rahul Singh	CU Dharamshala
122.	P-414	Synthesis and Characterization of Spinel Ferrite Magnetic Nanoparticles for Photocatalytic degradation of dyes	Shreya Sinha	CU Dharamshala
123.	P-415	Synthesis and Characterization of Polymer Coated Iron Oxide Magnetic Nanoparticles for their potential use in Magnetorheological fluids	Rahul Sharma	CU Dharamshala

Session 4

Day 3, 27th May, 2023

Time 2:00 pm - 4:00 pm

124.	P-8	Nano-science and nano-technology in medical science and biology	Deeksha	GLA University, Mathura
125.	P-9	Formulation, optimization and evaluation of Syringic Acid (SA) loaded guar gum nanoformulation against diabetic wound healing	Debojyoti Mandal	LPU Jalandhar
126.	P-51	Development of novel lipid-based water dispersible nano drug delivery system for the effective oral delivery of hydrophobic drugs	Mohini Mishra	IIT BHU, Varanasi
127.	P-88	Significance of the drug loading approaches over drug distribution and biological efficacy of exosomes or folic acid-functionalized bovine milk exosomes loaded with paclitaxel and 5-fluorouracil for improved therapeutic efficacy against breast cancer	Dulla Naveen Kumar	IIT BHU, Varanasi
128.	P-112	Interaction of silver nanocluster (Ag ₂₆) with various anti-	Bijal Mehta	SVNIT Surat

		inflammatory drugs Ciprofloxacin, Levofloxacin and Moxifloxacin		
129.	P-119	Interfacial properties of α -synuclein's of Parkinsonian variants	Amrita	IIT Guwahati
130.	P-139	FORMULATION DEVELOPMENT, CHARACTERIZATION AND ASSESMENT OF ACARBOSE-ENCAPSULATED GUAR GUM NANOFORMULATION AGAINST TYPE 2 DIABETES	Sourbh	LPU Jalandhar
131.	P-140	Reduced graphene oxide-Gadolinium oxide (rGO@Gd ₂ O ₃) nanocomposite used for the detection of gentamicin electrochemical sensor on Screen-Printed Electrodes	Jayendra Kumar Himanshu	MGCU Motihari, Bihar
132.	P-143	Tuning Phytomedicine into Photomedicine for Environmental and Healthcare applications: Synthesis and characterization of Quercetin-derived Carbon Nanodots	Gaurav Gopal Naik	IIT BHU, Varanasi
133.	P-146	A green approach for valorization of SCB via Psuedomonasmendocina NITDDGIFE11 treatment for the production of Cellulose Nanoparticles	Abhishek Verma	NIT Durgapur
134.	P-93	Investigating the role of gold nano particle (Au NP) mediated alteration in cell growth in bacteria to in vitro cell-line model systems	Shabina Quadir	JMI, New Delhi
135.	P-229	Facile Preparation of High-performance Antifouling PVDF/PEI/SnO ₂ Mixed Matrix Ultrafiltration Membranes for Effective Antibiotic Removal	Lokesh Kumar Sahu	IIT Bombay
136.	P-230		Ajinkya Palwe	IIT Bombay
137.	P-231	Influence of metal oxides addition on the physico-mechanical and biological behaviour of 13-93B3 borate bioactive glasses	Satyendra Kumar Singh	IIT BHU, Varanasi
138.	P-233	Nanostructured Co-doped BiVO ₄ for Efficient and Sustainable	Inderjeet Chauhan	CSIR-NCL, Pune

		Photoelectrochemical Chlorine Evolution from Simulated Sea-Water		
139.	P-238	Emerging nanotherapeutics perspectives medication delivery systems for diabetes management	Keshav Anand	LPU Jalandhar
140.	P-239	Analysis of card14 gene snp and corresponding nfkb dependent cytokine expression in kashmiri psoriasis patients	Anjum Sabba	Kashmir University
141.	P-239	Analysis of card14 gene snp and corresponding nfkb dependent cytokine expression in kashmiri psoriasis patients	Anjum Sabba	Kashmir University
142.	P-285	Polyethylene glycol-assisted hydrothermal synthesis of hydroxyapatite nanorods for bone tissue engineering	Urvashi Kesarwani	IIT BHU, Varanasi
143.	P-314		Shiva Gaur	The Northcap University
144.	P-315		Saumya Kirti	IIT Bombay
145.	P-316	Biological Activity of Phytochemicals Extracted from Medicinal Plants of Apocynaceae Family	Krishna Yadav	MNIT Jaipur
146.	P-327		Vishavjit L. Bhanavase	DBATU Maharashtra
147.	P-328	A Review on Hip-Joint Treatment and Replacement Methods and Materials	Yogiraj B. Dama	DBATU Maharashtra
148.	P-329		Anima Mahajan	IIT Delhi
149.	P-330	COMPARATIVE TOXICOLOGICAL EVALUATION OF GRAPHENE-BASED NANOMATERIAL ON MODEL BACTERIA	Jyotsna Mishra	IIT Bombay
150.	P-342	Fabrication, Molecular Docking and Antioxidant studies of 1,3,4-Thiadiazole Capped Metal Complexes	Dr. Shubhangi A. Athawale	Vidarbha Institute of Science & Humanities
151.	P-343	Synthesis of Imidazole metal complex by Green Approach for investigation of Their Antimicrobial and Anti-oxidant Activity	Pratibha Deulkar	Vidarbha Institute of Science & Humanities
152.	P-344		Tanmayee Parida	Shiv Nadar Institute of Eminence

153.	P-345		Sonali Patajoshi	Shiv Nadar Institute of Eminence
154.	P-346		Hardeep Singh	Punjabi University, Patiala
155.	P-400	Polymer template ultra-small gadolinium oxide nanocluster as an optical probe for in vitro fluorescence brain cell imaging	Vivek Kumar Verma	IIT BHU, Varanasi
156.	P-24	Complexation study between corn protein (zein) and phytochemical (geraniol): An approach to deliver phytochemical towards <i>Candida albicans</i>	Sara Dua	JMI, New Delhi
157.	P-25	Design of colorimetric biosensor for the detection of pathogenic <i>Pseudomonas aeruginosa</i> bacteria	Shazidul Hussain	Tripura University
158.	P-31	Effect of Different Locally available Botanicals on the Silkworm <i>Bombyx mori</i> L. Commercial Cocoon Characteristics infected with Muscardine Disease	Aina Bhat	SKUAST
159.	P-41	Augmentation of the antibacterial effect of planetary ball milled curcumin Nanoparticles	Arpita Patro	CUTM Odisha
160.	P-71	Utilizing Multimodal Data Sources for Water Salinity Prediction	Sowmya Kamath	NITK Surathkal
161.	P-83	Design and optimization of amphotericin-b polymeric nanoparticles laden in-situ gel for ocular fungal infections	Rohit Patil	IIT BHU, Varanasi
162.	P-90	A novel Zn-Doped CQD for efficient and combined photocatalytic degradation of water pollutants-Methylene Blue and Moxifloxacin Under UV-light irradiation	Syed Zimad Husain Hashmi	JNU, Delhi
163.	P-98	Application and Implication of Nanotechnology in Designing Drug Delivery Strategies for Cerebral Ischemia Therapeutics	Bhawna Vermani	GJU Hisar, Haryana
164.	P-118	Detection of <i>Candida albicans</i> responsible for urinary transmitted infection in real	Nandika Bhat	IIT Guwahati

		samples using peptide-based biosensor		
165.	P-120	Developing a Rapid and Sensitive Colorimetric Sensor for Detection of Food Adulterant Rhodamine-B in Real Sample	Arunava Das	IIT BHU, Varanasi
166.	P-121	Pro-oxidative mimics Cerium oxide nanozyme (CeO ₂) as an antibacterial agent	Shilpa Maddheshiya	MNNIT Prayagraj
167.	P-149	Eco-friendly synthesis of novel Graphene Oxide and reduced Graphene Oxide and exploring its antimicrobial application	Shikha R. Dubey	VNIT Nagpur
168.	P-265	Microorganisms as potent corrosion inhibitors	Sonika	Banasthali Vidyapeeth
169.	P-292	Effect of citric acid on the structural, optical, morphological properties of zno and the bactericidal application against human pathogenic bacteria	Priya Agrohi	ICMR
170.	P-301	ENDOPHYTIC DIVERSITY AND METABOLOMICS OF BERGINIA CILIATA FROM THE HIGH ALTITUDE REGION OF LADAKH	Mohd. Raza	SMVD University
Session 5				
Day 4, 28th May, 2023				
Time 11:00 am - 1:00 pm				
171.	P-136	Insight into the synergistic effect of adsorption–photocatalysis for the removal of acid blue 113 dye pollutants by cu- based metal organic framework	Mohit Kumar	IIT BHU, Varanasi
172.	P-137	Simultaneous TGA-FTIR study of the freshwater bivalve	Samprick Sekhar	Defence Institute
173.	P-125	Facile synthesis of high quality water soluble CdSe Quantum Dots using hydrothermal process for in-vivo application	Shamili Bandaru	SRM University
174.	P-75	Metal-free triazine and porphyrin-based polymeric network for the natural sunlight-driven simultaneous CO ₂ reduction and benzylamine oxidation	Neha Saini	INST Mohali
175.	P-127	Preparation & Characterization of PVA/Starch	Krishan Singh	IIT BHU, Varanasi

		/Clay Composite for packaging application		
176.	P-168	Carbon nanotubes as adsorbents for the adsorption of pharmaceutical pollutants from wastewater	Ahalya M	Amal Jyothi College
177.	P-170	Ultrasound-assisted synthesis of highly stable MCT based oleogel and evaluation of its baking performance	Harsh B. Jadhav	Institute of Chemical Technology
178.	P-189	Starch hydrogels based on silver nanoparticles synthesized with botanical extracts	Tithi Joshi	MSU Baroda
179.	P-190	Analysis of bio-energy prospects from lignocellulose agricultures waste with FTIR and machine-learning	Manali Pancholi	MSU Baroda
180.	P-191		Mohd. Rahil	JMI New Delhi
181.	P-195	One Pot Green Synthesis of ZnO-CuO Nanocomposite and their Application in Photocatalytic Degradation of MB Dye	Kapil Yadav	MNIT Jaipur
182.	P-196		Subhalaxmi Das	SRM University
183.	P-197		Honey	JMI New Delhi
184.	P-198		Tarab Fatima	JMI New Delhi
185.	P-199		Jay Narayan Mishra	IIT BHU, Varanasi
186.	P-203	As (III) and As (V) removal through microbial nanotechnology mediated bio accumulation from contaminated soil and water	Manoj Kumar Verma	IIT BHU, Varanasi
187.	P-214	Process optimized biomass carbon film electrode for capacitive deionization based desalination	Jyotiraman De	IIT Bombay
188.	P-215	Nano-engineeredferro-photocatalytic materials for solar light assisted degradation of water pollutants	Manshu	INST Mohali
189.	P-216	As (III) and As (V) removal through microbial nanotechnology mediated bioaccumulation from contaminated soil and water	Manoj Kumar Verma	IIT BHU, Varanasi
190.	P-217	Structural and photoluminescence properties	Jaivik K. Pathak	Parul University

		of green synthesized ZnO NP's from Calotropis Gigantea leaves		
191.	P-221	Examining the Benefits of Going Green for Harnessing Energy	Tagamud Tazmeen	NIT Srinagar
192.	P-222	WS ₂ QUANTUM DOTS AS AN EFFECTIVE FLUORESCENT SENSOR FOR MONITORING OF OFLOXACIN ANTIBIOTICS IN WATER	Sunayana Bora	IIT BHU, Varanasi
193.	P-224		Umisha Singh	IIT Bombay
194.	P-240	Evaluation of Heavy Metal Ion Removal Efficiency from Industrial Effluent by Using Nano Impregnated Fungal Hyphae	Annu Yadav	GJU Hisar, Haryana
195.	P-240	Evaluation of Heavy Metal Ion Removal Efficiency from Industrial Effluent by Using Nano Impregnated Fungal Hyphae	Annu Yadav	GJU Hisar, Haryana
196.	P-242	Industry waste HCl utilization for the production of chlorine by using green electrochemical approach	Sukhdeep Singh	IIT Ropar
197.	P-251	SINGLE-STEP FABRICATION OF WHISPERING GALLERY MODE RESONATOR FOR BIOSENSING	Gaurav Pratap Singh	IIT Bombay
198.	P-253	FLUORESCENT BASED NANOPATTERENED PLATFORMS FOR EFFICIENT SENSING OF LEAD CONTAMINATION IN WATER	Archana	IIT Bombay
199.	P-257	Dual Probe "ON – OFF" Fluorometric Sensor for Selective Detection of Fe ³⁺ and As ³⁺ ions in Real Samples using CQDs	Saurabh Kumar Srivastava	IIT BHU, Varanasi
200.	P-266	Zinc oxide/Gum acacia nanocomposite alleviate zinc deficiency in soil and support Spinacia oleracea L	Avimanu Sharma	CU Rajasthan
201.	P-267	A review of various delignification methods of wood	Shariq Shabir	NIT Srinagar
202.	P-268	A review on various hydrogen production methods	Tajammul Khan	NIT Srinagar
203.	P-312	Application of microbe-affinity three-dimensional microporous graphene framework for removal of organic pollutant	Neha Redkar	IIT Bombay

204.	P-313	Terahertz time domain spectroscopy of magnetic nanoparticles and polymer matrix	Koushik Pardhan	IIT Bombay
205.	P-332	Impact of chitosan based essential oil nanoparticles on the quality and acceptability of meat emulsion under aerobic refrigerated storage	Syed Arshad Hussain	SKUAST
206.	P-333		Dr. M. Bayazeed Alam	CSIR-NML
207.	P-334		Sadaf Parvez	University of Kashmir
208.	P-335		Shehnaz Fatima	IIT BHU, Varanasi
209.	P-336		Shruti	IIT BHU, Varanasi
Session 6				
Day 4, 28th May, 2023				
Time 2:00 pm - 4:00 pm				
210.	P-62	Transient WORM Memory Device using an enzyme for sustainable electronic applications	Hritinava Banik	Tripura University
211.	P-63		Manisha Sharma	IIT BHU, Varanasi
212.	P-64	Nanoarchitecture For Building Sustainability	Maroosha Mir	Islamic College
213.	P-70	Aiming the CO ₂ Reduction and Energy Storage via a Rechargeable Zn-CO ₂ Battery	Sukhjot Kaur	IIT Ropar
214.	P-74	Strategy to Improve the Photovoltaic Performance of Si/CuO Heterojunction via Incorporation of Ta ₂ O ₅ Hopping Layer and MXene as Transparent Electrode	Shumile Ahmad Siddiqui	INST Mohali
215.	P-76	Aqueous zinc sulfur battery as next generation energy storage device	Shivangi	IIT Ropar
216.	P-78	Effective ammonia electrosynthesis and energy conversion by Zn-nitrate battery	Akansha Chaturvedi	IIT Ropar
217.	P-96	DMSO-mediated stable aqueous rechargeable iron-sulfur battery for a cheaper energy storage system	Man Singh	IIT Ropar

218.	P-97		Susmita Pramanik	GLA University, Mathura
219.	P-99	Observation of N-Type to P-Type Transition in Thermoelectric Response of Palladium Diselenide	Chetan Awasthi	JMI New Delhi
220.	P-100	Green emitting Dy ³⁺ /Ho ³⁺ co-doped SrMoO ₄ phosphors for white light LED	Satyam Chaturvedi	IIT BHU, Varanasi
221.	P-101	Effect of Polymer Chain Packing on Molecular Charge Transport in Organic Electronic Devices	Ramkumar K	SRM University
222.	P-102	Fe ₃ O ₄ decorated paper electrode as binder-free trifunctional electrode for electrochemical ammonia synthesis and Zn-O ₂ batteries	Alankar Kafle	IIT Ropar
223.	P-103	Importance of Black Turmeric: Rationale by using the Light Scattering technique	Farhana Hussain	UST Meghalya
224.	P-116	Zinc sulfide (ZnS) incorporated polypyrrole (PPy) matrix for high performance supercapacitor	M Sarfaraz Ansari	IIT (ISM) Dhanbad
225.	P-132	Role of Tin (Sn) doping in enhancing the electrochemical properties of hematite for supercapacitor applications	Malik Aalim	NIT Srinagar
226.	P-133	Nickel oxide-based nanostructures loaded on Multiwalled carbon nanotubes for electrochemical energy storage application	Reyaz Ahmad	NIT Srinagar
227.	P-134		Bhimraj Singh	IIT BHU, Varanasi
228.	P-135	Highly ordered 1D NiCo ₂ O ₄ nanorods: An efficient hybrid material for electrochemical energy storage application	Mahvesh Yousuf	NIT Srinagar
229.	P-152	Dielectric and Electrocaloric Studies On Ba 1-x Sr _x TiO ₃ -Bi 0.5 Na 0.5 TiO ₃ -PVDF For Solid State Refrigeration in Room Temperature	Amiya Ranjan Sahoo	VNIT Nagpur
230.	P-153	Investigation of optical and electrical transport properties of KBiFe ₂ O ₅	Swapna Rout	VNIT Nagpur
231.	P-154	Investigation of energy storage and electrical properties of modified BaBi ₂ Nb ₂ O ₉ -K 0.5 N	Archana Akshay Indurkar	VNIT Nagpur

		0.5 NbO ₃ nano crystalline ceramic prepared by a hydrothermal technique		
232.	P-155	Structural, Optical and Dielectric Properties of Double Perovskite La _{2-x} Ba _x MnNiO ₆ (x = 0.05, 0.1, 0.15, 0.2)	Rahul Kumar Sahu	VNIT Nagpur
233.	P-157	The effect of Barium doping on Structural, Dielectric, and Ferroelectric properties of SrBi ₂ Nb ₂ O ₉ -Bi ₄ Ti ₃ O ₁₂ Aurivillius ceramics	Astha Sharma	VNIT Nagpur
234.	P-158	Bi ₂ Ga ₄ O ₉ : A non-lanthanide host for luminescent lanthanide ions	Nishtha Singh	BARC-HBNI
235.	P-160		Nikita	NABI
236.	P-161		Arunava Kar	Saha Institute of Nuclear Physics
237.	P-163		Bhawna Rawat	INST Mohali
238.	P-166		Arun Kumar	JMI New Delhi
239.	P-152	Dielectric and Electrocaloric Studies On Ba 1-x Sr _x TiO ₃ -Bi 0.5 Na 0.5 TiO ₃ -PVDF For Solid State Refrigeration in Room Temperature	Amiya Ranjan Sahoo	VNIT Nagpur
240.	P-205	AI ASSISTED DESIGN AND FABRICATION OF CHEMICAL SENSOR ARRAY FOR VOCs DETECTION	Shivam Kumar Singh	IISER Thiruvananthapuram
241.	P-206	Electrodeposited MoS ₂ films as low-cost alternative counter electrodes for efficient dye sensitized solar cells	Neeraj Kumar	BARC Mumbai
242.	P-207	ENGINEERING ELECTRONIC TRANSPORT IN V ₂ O ₅ NANOWIRE GAS SENSOR	Varsha Biswas	IISER Thiruvananthapuram
243.	P-208	Machine learning assisted gas sensor array fabrication for selective detection	Sajana S	IISER Thiruvananthapuram
244.	P-209	Size and Layer Dependent Growth of MoS ₂ flakes by Chemical Vapor Deposition for Gas Sensing Application	Dipanjana Mondal	IISER Thiruvananthapuram
245.	P-234		Nav Deepak	IIT Bombay
246.	P-235	Synthesis and characterization of Eu ³⁺ doped calcium hexaborate phosphors	Suruchi Sharma	GNDU Amritsar, Punjab

247.	P-236	Amine-Free Synthesis of High-Quality Cesium Lead Halide (CsPbX ₃) Perovskite Nanocrystals for Optoelectronic Applications	Syed Akhil	SRM University
248.	P-237	Structural and optical properties of Mg doped TiO ₂ Nanoparticles synthesized by Sol-Gel method	Sonal B. Akhani	Parul University
249.	P-258	Tuning the Electronic Properties of 2D Stanene by Strain	Jyoti Dalal	Punjabi University, Patiala
250.	P-270	Rare-Earth (Dy ³⁺ and Pr ³⁺) ratio variation effects on electrical properties of sodium fluoride alumino borate glass system	Jyoti Dahiya	DCRUST Murthal
251.	P-280	X-ray Photoemission spectroscopy and electrical properties of A-site doped rare earth-based R ₂ NiMnO ₆ double perovskites	Shohaib Abbas	CU Kashmir
252.	P-281	Structure, magnetic and transport properties of nanocrystalline thin films of NiCoCrFePd high entropy alloy	Abid Hussain	IUAC New Delhi
253.	P-282	Composites based Hydroelectric Cell for Sustainable Electricity Generation by Water Molecule Dissociation	Monika Dhall	DCRUST Murthal
254.	P-283		Menka Sharma	JMI New Delhi
255.	P-287	Electrical and Thermal Behaviour of Transition Metal Containing Multi Component Oxide glasses	Vikas	DCRUST Murthal
256.	P-289		Shikha	IIT BHU, Varanasi
257.	P-291	Exploring the Development of Natural Biopolymer-Based Proton Exchange Membranes for Fuel Cells: A Review	Fayaz Ahmad Dhobi	NIT Srinagar
258.	P-317	Structural and electrical studies of CsSnBr ₃ as an absorbing material for perovskite solar cells	Swarnima Singh	IIT BHU, Varanasi
259.	P-331	Tuning of critical temperature in superconductor/ferromagnet nanostructures	Asif Majeed	NIT Srinagar
260.	P-338	Probing of structural and optical properties of Co _{0.9} Mn _{0.1} Fe _{1.9} V _{0.1} O ₄ and Ba _{0.9} Ni _{0.1} Ti _{0.9} Mn _{0.1} O ₃	Showket Ahmad Bhat	NIT Srinagar

261.	P-339	Synthesis of Fe ₂ O ₃ /NiO nanostructure by solvothermal route for super capacitor application	Mr. Aman K. Chitoria	NIT Srinagar
262.	P-340		Santosh Kachhap	IIT BHU, Varanasi
263.	P-341	Chemisensors based on conducting Polypyrrole composites decorated with Titania nanoparticles towards potential application of CO ₂ gas sensing	Aditya V. Tiwari	Vidarbha Institute of Science & Humanities