



International Conference
on
Emerging Frontier in Sustainable, Functional, and
Advanced materials (IC-SFAM 2026)
April 9-10, 2026



Anusandhan
National
Research
Foundation

PROGRAMME SCHEDULE

April 9-10, 2026
International Conference
on
Emerging Frontiers in Sustainable, Functional, and Advanced Materials
(IC-SFAM 2026)



IC-SFAM 2026

International Conference on
Emerging Frontiers in Sustainable,
Functional, and Advanced Materials

Organized by

Department of Physics
Shivaji College (University of Delhi)
Raja Garden, Ring Road
New Delhi - 110027



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Day 1 (Thursday, 9th April 2026)

8:30-10:30	Registration (Entrance Gate)	
9:00-10:30	Inaugural Ceremony (Chankya Auditorium)	
10:30-11:00	High Tea (Samarth Guru Ram Das Auditorium)	
Parallel Technical Session-1 (Timing:- 11:00-13:00 IST)		
Conference Hall 1 (Peshwa Bajirao Auditorium)	Conference Hall 2 (Chhatrapati Sambhaji Auditorium)	Conference Hall 3 (Tanaji Malusare Auditorium) Online
(11:00-11:40) K.T.-01 Prof. R K Kotnala (Founder, NSCI Delhi) Title: Enhancing Hydrogen Generation by Reducing Hydrogen Binding Energy in SnO ₂ Hydroelectric cell with Fe ³⁺ doping	(11:00-11:40) K.T.-02 Prof. Binay Kumar (Department of Physics & Astrophysics, University of Delhi) Title: Piezoelectric Crystals and Nanomaterials for Green Energy Harvesting	(11:00-11:40) K.T.-03 Prof. K G Suresh (IIT Bombay) Title: Heusler alloys as spintronic, spin-caloritronic and topological materials
Energy and Functional Materials for Next-Generation Energy system Session Chair: Prof. R K Kotnala (Founder, NSCI Delhi)	Nanoscience and Nanotechnology: From Fundament insights to Functional Device Session Chair: Prof. Binay Kumar (Department of Physics & Astrophysics, DU)	Combined Themes Session Chair: Dr. Abir De Sarkar (INST Mohali)
(11:40-12:10) I.T.-01 Prof. K. Sachdev (MNIT Jaipur) Title: Aqueous Sodium-Ion Batteries: Synergistic Effects of Cation Doping and Electrolyte Engineering	(11:40-12:10) I.T.-03 Prof. Alok Shukla (NIT Mizoram) Title: Tuning the Structural and Functional Properties of Bismuth Complex Oxide via Rare-Earth Ion Doping	(11:40-12:10) I.T.O-01 Prof. T Soam (IOP Bhubaneswar) Title:
(12:10-12:40) I.T.-02 Dr. Vikas Sharma (MRC, MNIT Jaipur) Title: Beyond the Silicon: Flexible, Semi-Transparent and Colourful Solar Cells	(12:10-12:40) I.T.-04 Dr. Sonalika (Hiroshima University, Japan) Title: Advanced Nanostructured Metal Oxide Gas Sensors for Healthcare, Safety, and Environment Monitoring	(12:10-12:25) O.P.O-01 Dr. Rajesh Kumar Rajput (Apex University, Jaipur Rajasthan) Title: Monitoring comprising of X-ray Radiation and case study of their Dose with respect to ALARA (12:25-12:40) O.P.O-02 Mr. Manish Kumar Pandey (NIT, Mizoram) Title: Bi _{0.9} La _{0.1} FeO ₃ Ceramics for Energy-Storage Applications: A Dielectric and Impedance Study



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(12:40-12:50) O.P.-01 Ms. Deepika Sharma (Central University of Harayana) Title: Structural, Ferroelectric and Luminescence Behavior of Pr-Modified $Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O_3$ ceramics	(12:40 -12:50) O.P-03 Ms. Khushbu Jain (Amity University, Gurugram, Haryana) Title: Template free synthesis of pristine CeO_2 : A potent photocatalyst for methylene blue removal from water	(12:40-12:55) O.P.O-03 Ms. Divya Mahar (D. S. B. Campus, Kumaun University, Nainital) Title: Quaternary LDH-Derived Mixed Metal Oxides for Efficient Methylene Blue Removal
(12:50-13:00) O.P-02 Mr. Piyush Siroha (Central University of Haryana) Title: Polymer-Supported $MoSe_2$ Photodetector with Fast Response and High Detectivity	(12:50-13:00) O.P-04 Dr. Nisha Bala (Daulat Ram College, DU) Title: Annealing effects under different atmospheres on the structural, growth, and magnetic properties of NiO nanoparticles	(12:55-13:10) O.P.O-04 Dr. Shubhra Dash (MLR Institute of Technology, Hyderabad-500043) Title:

13:00-14:00:: Lunch Break ((Samarth Guru Ram Das Auditorium))

Parallel Technical Session-2 (Timing:- 14:00-15:40 IST)

Conference Hall 1 (Peshwa Bajirao Auditorium)	Conference Hall 2 (Chhatrapati Sambhaji Auditorium)	Outside of (Peshwa Bajirao Auditorium)
Emerging Materials and Technologies for Future Innovation	Nanoscience and Nanotechnology: From Fundament insights to Functional Device	Poster Session Combined Theme
Session Chair: Prof. K. Sachdev (MNIT Jaipur)	Session Chair: Dr. Neeraj Panwar (CCS University, Meerut)	
(14:00-14:30) I.T.-05 Prof. Pankaj Srivastava (IIT, Delhi) Title: Robust room temperature ferromagnetism in nano-dimensional MoS_2 flakes by tailoring edge-terminated structures and point defects	(14:00-14:30) I.T.-07 Dr. Manish Kashyap (JNU, Delhi) Title: Beery curvature driven-Anomalous Transport Signatures in Heusler Alloys for Thermoelectric Applications using DFT	
(14:30-15:00) I.T.-06 Dr. Pawan Kularia (JNU Delhi) Title: Materials Engineering of MXenes for Advanced Optoelectronic and Sensing Devices	(14:30-15:00) I.T.-08 Dr. Ashok Kumar (CSIR-NPL, New Delhi) Title: Solid-State Refrigeration: Advancing Electrocaloric Materials for Sustainable Cooling	
(15:00-15:10) O.P-05 Ms. Simran (Netaji Subhas University of Technology) Title: Synthesis and Characterization of pure and malachite dye-doped TGS single crystals	(15:00-15:10) O.P-09 Dr. Aman Kumar (Subharti College Of Science, Swami Vivekanand Subharti University, Meerut) Title: Ab Initio Insights into Rb- and Cs-Based $SbPbH_6$ Hydride Double Perovskites for Thermoelectric Performance and Hydrogen Storage	



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<p>(15:10-15:20) O.P-06 Ms. Sonia (Netaji Subhas University of Technology, New Delhi) Title: Adsorption of Methylene Blue by HKUST-1 MOFs Synthesized Using Room Temperature and Solvothermal Methods</p>	<p>(15:10-15:20) O.P-10 Mr. Aniket Bharti (Guru Gobind Singh Indraprastha University, Delhi) Title: Synthesis Characterization and fabrication of MoS₂@WO₃ Nanocomposite thin films for Room-Temperature NO₂ Gas Detection</p>	<p>Poster Session (14:30-16:00) PP-01 to PP-40</p>
<p>(15:20-15:30) O.P-07 Mr. Amit Kumar (Department of Physics St. John's College Agra) Title: Interface-Controlled Transport Properties in La -Based oxide /SrTiO₃ Heterostructures: A Review</p>	<p>(15:20-15:30) O.P-11 Dr. Km Komal (GBU, Noida) Title: Study of the structure, optical and electrical properties of hBN-SnO₂ nanocomposites for Non-Volatile Memory Devices.</p>	
<p>(15:30-15:40) O.P-08 Dr. Rakhi Kumari (Department of Physics & Astrophysics, DU) Title: Statistical Physics Framework for Protein Families via Random Matrix and Network Theory</p>	<p>(15:30-15:40) O.P-12 Ms. SUCHITRA MANJHU (Government Lohia PG College, Churu, Rajasthan) Title: Comparative Photocatalytic Degradation of Methylene Blue Using MWCNT-decorated ZnO/CuO Nanocomposites.</p>	

15:40-16:00 :: Tea Break

Parallel Technical Session-3 (Timing:- 16:00-18:45 IST)

Conference Hall 1 (Peshwa Bajirao Auditorium)	Conference Hall 2 (Chhatrapati Sambhaji Auditorium)	Conference Hall 3 (Tanaji Malusare Auditorium) Online	Outside of (Peshwa Bajirao Auditorium)
<p>Emerging Materials and Technologies for Future Innovation</p> <p>Session Chair: Dr. Manish Kashyap (JNU, Delhi)</p>	<p>Nanoscience and Nanotechnology: From Fundament insights to Functional Device</p> <p>Session Chair Prof. Pawan Kularia (JNU, Delhi)</p>	<p>Combined Theme</p> <p>Session Chair: Prof. Ajt Kumar Patra (CUOH)</p>	<p>Poster Session Combined Theme</p>
<p>(16:00-16:30) I.T.-09 Dr. Updesh Verma (University of Delhi) Title: Plasma as the Fourth State of Matter: Enabling Sustainable Fusion Energy in ITER</p>	<p>(16:00-16:30) I.T.-10 Prof. Sanjay Kumar Sharma (Gautam Budh University) Title: Emerging Frontiers in Sustainable, Functional, and Advanced Materials</p>	<p>(16:00-16:30) I.T.O-02 Prof. Mahesh Kumar (IIT Jodhpur) Title:</p>	



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<p>(16:30-16:40) O.P.-15 Dr. Davuluri Srikala (Hansraj College, DU) Title: Spectroscopic studies on frustrated Ni doped spinel oxide GeCo₂O₄</p>	<p>(16:30-16:40) O.P.- 18 Mr. Pashupati Pratap Neelratan (S.S.V. (P.G.) College, Hapur) Title: Ag-Incorporated ZnO–GO Hybrid Thin Films as High-Performance Gas Sensors</p>	<p>(16:30-17:00) I.T.O-03 Dr. S. D. Kaushik (UGC-DAE, CSR Mumbai) Title: Role of Rare Earth Ion in Structural and Physical Properties of R₂CoMnO₆ Double Perovskites</p>	<p>Poster Session (16:00-17:30) PP-41 to PP-80</p>	
<p>(16:40-16:50) O.P.-16 Dr. Harsh Yadav (Netaji Subhas University of Technology, Delhi) Title: Organic-inorganic hybrid perovskite single crystals for optical applications</p>	<p>(16:40-16:50) O.P.-19 Ms. Meenakshi (Central University of Haryana) Title: Low-Temperature Magnetic Transition and Magnetocaloric Performance in Sol–Gel Derived GdNdCrMnO₆</p>	<p>(17:00-17:30) I.T.O-04 Prof. Ajeet Kaushik (Florida Polytechnic University, Lakeland, FL-USA) Title: Capability of Electrochemical Sensors to Tackle Microplastics and PFAS in the setting of point-of-use.</p>		
<p>(16:50-17:00) O.P.-17 Dr. Dishu Dawra (Ramjas College, DU) Title: Design of Metamaterial structure for the absorption of terahertz radiation.</p>	<p>(16:50-17:00) O.P.- 20 Jeev Raj Bhati (Amity University Rajasthan, Jaipur) Title: Development of Epoxy-Based Polymer Composites Reinforced with Marble Powder for Protection Against High-Energy Electrons</p>	<p>(17:30-18:00) I.T.O-05 Prof. Manuel Angst (JCNS-2, Germany) Title: Interplay of Dzyaloshinskii-Moriya interaction and single ion anisotropy in a solid solution of multiferroic melilites</p>		
				<p>(18:00-18:15) O.P.O-05 Dr. Komal Kanwer (JCNS-2, Germany) Title: Evolution of magnetic phases with doping and pressure in SmCrO₃</p>
				<p>(18:15-18:45) I.T.O-06 Dr. Gavin Hester (Brock University, Canada) Title: Disorder Resilient Entanglement in the Rare-Earth Dimer Magnet BiYbGeO₅</p>



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Day 2 (Friday, 10th April 2026)

Parallel Technical Session-4 (Timing:- 9:30-13:00 IST)			
Conference Hall 1 (Peshwa Bajirao Auditorium)	Conference Hall 2 (Chhatrapati Sambhaji Auditorium)	Conference Hall 3 (Tanaji Malusare Auditorium) Online	Outside of (Peshwa Bajirao Auditorium)
Characterization and Computational Materials Science / Smart and Advanced Functional Materials for Adaptive and Responsive Systems Session Chair: Prof. Sanjay Kumar Sharma (Gautam Budh University, Delhi)	Sustainable and Green Materials for a Circular Economy/ Metallurgy and Structural Materials for sustainable infrastructure Session Chair: Dr. Bharti (DTU)	Combined Theme Session Chair: (Prof. Bharti, Shivaji College, DU)	Poster Session Combined Theme
(9:30-10:00) I.T.-11 Prof. S K Sharma (CCS Univ. Meerut Campus) Title: Noble metal Modified Porous Ni Foams (Ag/Au/Pd-hNiF) for efficient CO ₂ reduction reaction	(9:30-10:00) I.T.-13 Dr. Ajit Kumar Patra (University of Hyderabad) Title: Liquid Crystal Elastomer-Based Smart Microstructures	(9:30-10:00) I.T.O-07 Dr. Abir De Sarkar (INST Mohali) Title: Insights into the breaking of Inversion Symmetry in 2D Materials: Piezoelectricity and Spin-Orbitronics	Poster Session (10:30-13:00) PP-81 to PP- 120 onward
(10:00-10:30) I.T.-12 Dr. Mahesh Kumar Sharma (CSIR-NPL, New Delhi) Title: Ultrafast Light-Matter Interactions in Low-Dimensional and Hybrid Materials: From Fundamental Dynamics to Functional Devices	(10:00-10:30) I.T.-14 Dr. Neeraj Panwar (CCS University, Meerut Campus) Title: A comparison of the photocatalytic performance of half-doped Dy _{0.5} RE _{0.5} CrO ₃ (RE= Gd, Ho, Yb) nanomaterials and Dy _{0.5} Ho _{0.5} CrO ₃ /r-GO nanocomposites	(10:00-10:15) I.T.O-08 Prof. Jai Singh (University of Delhi) Title: Monolayer, bi-layer MoS ₂ and one dimensional ZnO fabricated for different applications	
(10:30-10:40) O.P.-21 Ms. Anju (Netaji Subhas University of Technology, Delhi) Title: Exploring the electrochemical performance of α -NiS for energy storage applications	(10:30-10:40) O.P.-24 Dr. Roshan Josh (Department of Physics, Marian College Kuttikkanam autonomous, Idukki, Kerala 685531, India) Title: Investigation of the Current-Voltage Behaviour of ZnO-ZrO ₂ /PVA	(10:15-10:30) O.P.O-06 Mr. Nandkishor Shankar Sangle (D.G.Ruparel Arts Science and Commerce college Matunga Mumbai Maharashtra India) Title: Synthesis and Characterization of Multilayer Thin Films Using DC	



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	Composite Thin Films on ITO	Magnetron Sputtering	
(10:40-10:50) O.P.-22 Kanika Maheshwari (Oriental University, Indore) Title: Salt-Engineered Pectin–PVA Biopolymer Electrolytes: NaN ₃ -Driven Structural Analysis and Ion Transport Pathways for Green Solid Electrolytes	(10:40-10:50) O.P.- 25 Ms. Benazeer Fatima Usufzai (Kisan P.G College, Bahraich, U.P) Title: Simulation of X-Ray Diffraction Data for Heusler Alloys Containing All Three Transition Metal Elements	(10:30-10:45) O.P.O-07 Dr. Umesh Chandra Srivastava (Amity University, UP) Title: Thermophysical And Ultrasonic Properties Of Europium Chalcogenides	
(10:50-11:00) O.P.-23 Dr. Mayank Dimri (Shivaji College, DU) Title: Collisional properties of highly charged ions in strongly coupled plasma environment	(10:50-11:00) O.P.-26	(10:45-11:00) O.P.O-08 Dr. Manisha Deshpande (Jai Hind College, Mumbai) Title: Synthesis and Electrical Characterization of Lead-Free Bismuth Sodium Titanate (BNT) Ceramics	
		(11:00-11:10) O.P.O-09 Mr. Joseph George (Independent researcher, Bangalore) Title: Nanoscale Damage Signatures in Fission-Irradiated Materials: Evidence for an Impulsive Mechanical Loading Component at Nuclear Scission	
11:00-11:30 :: Tea Break			
(11:30-11:40) O.P.-27 Mr. Rachit Kapoor (Brock University, Canada) Title: From Disorder to Dimers	(11:30-11:40) O.P.-33 Mr. Shubham Pushkar (K S Saket P.G. College, Ayodhya, U.P.) Title: Fitting of XRD data of Mn ₂ NiSb in Cu ₂ MnAl and Hg ₂ CuTi Prototype Structure Including Disorder	(11:30-11:45) O.P.O-10 Dr. Krishna Prajapati (NIMS University Rajasthan, Jaipur) Title: New PbTiO ₃ -Based Ceramic exhibiting nearly Zero Thermal Expansion	
mA(11:40- 11:50) O.P.-28 Dr. Manoj Giri (Daulat Ram College, DU) Title: Spectral Parameters of Orange Green in Aqueous Solutions	(11:40- 11:50) O.P.-34 Ms. Tateer Fatma Jafri (Maa Pateshvari University, Bhairach, UP) Title: Theoretical calculation of X - Ray Diffraction Data for d - transition Metals Based Heusler Alloys	(11:45- 12:00) O.P.O-11 Mr. Akshay Kumar (DR BR AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, UDHAMPUR) Title: Non-Additive Dynamics of a Two-Cavity Micromaser Quantum Battery	
(11:50- 12:00) O.P.-29 Ms. Srashti Kushwah (Oriental University, Indore) Title: Eco-friendly Lignosulfonate-PVA Based Biopolymer	(11:50- 12:00) O.P.-35 Ms. Gunjan Sharma (Kisan P.G College, Bahraich, U.P) Title: Determination of Structural Information for Co ₂ MnSi and Co ₂ FeSi from	(12:00-12:15) O.P.O-12 Mr. Ratnani Guneet Chander Ela (K.J Somaiya College of Science and Commerce, Mumbai) Title: Structural Optimization of	



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Electrolyte Films for energy storage devices	Their Experimental X-Ray Diffraction Data	Multi-Panel Solar Systems for Increased Cumulative Yield in Low-Temperature Environments	
(12:00- 12:10) O.P.-30 Dr. Mahesh C. Meena (Rajdhani College, University of Delhi) Title: Characterizing the Optical and Electrical Properties of Au ⁺ Ion Implanted MoS ₂ Thin Films.	(12:00- 12:10) O.P.-36 Dr. Nancy (Amity University Haryana, Gurugram) Title: Investigation of Titanium Dioxide Nanoparticle Integration on Polypropylene Membranes for Enhanced Performance	(12:15- 12:30) O.P.O-13 Dr. Jyoti Sandip Mayekar (Jai Hind College, Mumbai) Title: Green Synthesis of Magnesium Oxide Nanoparticles using Trigonella foenum-graecum seeds extract	
(12:10- 12:20) O.P.-31 Dr. Pushpa Bindal (Kalindi College, DU) Title: Characterization of Step-Index Multimode Optical Fibers	(12:10- 12:20) O.P.-37 Mr. Sanjay Kumar (Univ. of Delhi) Title: Achieving Phase-Pure PMN-PT: Issues and Solutions in Powder Synthesis	(12:30-12:45) O.P.O-14 Mr. Pranjal Bhardwaj (Fergusson college, Maharashtra) Title: Non-Hermitian Kinetic Reconstitution in Dissipative Covalent Adaptive Networks: Achieving Sub-Microsecond Structural Homeostasis in Extreme Environments	
(12:20- 12:30) O.P.-32 Dr. Omveer Singh (Rajdhani College, DU) Title: Investigations of Various Physical Properties of N ⁺ Implantation TiN Films	(12:20- 12:30) O.P.-38 Karan Singh Jaat (Govt Arts and Science College Ratlam (M.P.) Title: Structural Characterization and Charge Density Wave Behavior of Cu _{0.04} TiSe ₂	(12:45-13:00) O.P.O-15 Dr. Vartika Khandelwal (Central University of Haryana) Title: Synergistic enhancement of energy harvesting and piezocatalytic dye degradation in BaTiO ₃ -based ceramic loaded PVDF-HFP nanocomposites	
		(13:00-13:15) O.P.O-16 Dr. Rimpi Chakravarty (Indian Institute of Technology Guwahati) Title: Dielectric and optical modulation of PVDF through perovskite incorporation	
		(13:00-13:15) O.P.O-17 Dr. Vijay Kumar (Chaudhary Bansi Lal University, Bhiwani Haryana-127021) Title: Multifunctional Study of Spinel-type Ni doped ZnCo ₂ O ₄ Mesoporous Microspheres	

13:00-14:00 :: Lunch Break

Parallel Technical Session-5 (Timing:- 14:00-14:50 IST)



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Conference Hall 1 (Peshwa Bajirao Auditorium)	Conference Hall 2 (Chhatrapati Sambhaji Auditorium)	Conference Hall 3 (Tanaji Malusare Auditorium) Online	
Characterization and Computational Materials Science / Smart and Advanced Functional Materials for Adaptive and Responsive Systems Session Chair: Prof. Mahesh Kumar (CSIR NPL, New Delhi)	Biomedical and Biocompatible Materials for Health and Therapeutic Applications Session Chair: Prof. Ashok Kumar (CSIR NPL, New Delhi)	Combined Theme	
(14:00-14:30) I.T.-15 Dr. Bharti (DTU, Delhi) Title: Engineering 2D Materials for High-Performance Mechanical Energy Harvesting in Wearable and Environmental Systems	(14:00-14:30) I.T.-16 Dr. Najmul Arfin (Jamia Millia Islamia, New Delhi) Title: Role of Coacervates as a delivery system of drugs towards cancer cells		Poster Session (14:00-15:00) PP-121 to PP-onward
(14:30-14:40) O.P.-39 Mr. Pawan Kumar (CCS Uni. Meerut campus) Title: "Pt-Decorated 2D MoSe ₂ Nanostructured Thin Film Sensor Fabricated via Magnetron Sputtering for Highly Sensitive Hydrogen Detection."	(14:30-14:40) O.P.-41 Mr. Arbind Kumar (Kisan Post Graduate College Bahraich) Title: Necessity of Biobased Construction Materials for Net Zero Target of 2050		
(14:40-14:50) O.P.-40 Ms. Skita Chamoli Mohan (Sustainability) Title: Physics-Driven Pathways for Scope 3 Decarbonization: Advancing Circular Economy through Sustainable Materials and Thermodynamic Realism	(14:40-14:50) O.P.-42 Ms. Rahnuma Khan (Kisan Post Graduate College Bahraich) Title: A Brief Review on Extracted Plant Based Nanoparticles Through Green Synthesis Used as Drug Delivery Agent		
Parallel Technical Session-5 (Venue: Chankya Sabhagar, Shivaji College)			
15:00-15:30-----Cultural Program			



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15:30-17:00-----Validatory Session
17:00-17:10 :: Photo Session
17:10-17:30:: Tea Break
<ul style="list-style-type: none"> i. K.T.: Keynote Talk ii. I.T.: Invited Talk iii. I.T.O.: Invited Talk Online iv. O.P.: Oral Presentation v. O.P.O: Oral Presentation Online

List of Participant for Poster Presentation

S. No.	Name	Title
PP-01	Ms. Deepti Sharma Dullu	Guanidinium Tartrate: A Sustainable Organic Ionic Crystal for Photonic and Photocatalytic Applications
PP-02	Mr. AKSHAT GAUTAM	Role of Thickness and Thermal Annealing on Magnetic Anisotropy and Coercivity in FeMn/CoFeB Bilayers
PP-03	Mr. Priyanshu Chauhan	Thickness and Annealing Dependent Structural and Magnetic Properties of Pt/FeNi/Pt Thin Films
PP-04	Mr. Mahender Pal	Improved Photocatalytic Performance of Ce-Doped SnO ₂ for Environmental Remediation
PP-05	Mr. Dinesh Kumar Saini	
PP-06	Mr. Rishav Rawat	Role of Capping Agents in Green Synthesis and Electrical Applications of ZnO Nanoparticles
PP-07	Ms. Sandhya Nayak	Controlled Green Synthesis of Pure Zinc Oxide Nanoparticles and their optical properties
PP-08	Mr. Rahul Mehra	Synthesis of ZnO Nanostructures and Their Composites with Carbon Materials: A Characterization Study
PP-09	Mr. Saurabh pal	Transition Metal Oxide Electrode Materials-based Supercapacitors: Progress and Prospectives
PP-10	Mr. Himank Sagar	Helicity-Resolved Mode Analysis and Energy Partitioning (R-T-A) of P-Polarized Electromagnetic Waves at a Magnetized Plasma Boundary
PP-11	Mr. Vivek Sharma	Interfacial Engineering in WSe ₂ /Co ₃ O ₄ Nanocomposites: Structural, Morphological and PL analysis
PP-12	Mr. Manitosh Kumar Mani	Development of liquid-liquid phase separated Gelatin-CMC biopolymeric complex reinforced with modified laponite-PDA for buccal drug administration
PP-13	Ms. Aarti	



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	Ms. Sonia	Precise simulation of Electron-Tetrahydrofuran scattering cross sections via Artificial Neural Networks
PP-14	Ms. ANITA	Design and development of cobalt oxide and Graphene oxide Hybrid for Enhanced Electrocatalytic Performance
PP-15	Ms. Muskan	Hydrothermal–Sol–Gel Derived TiO ₂ /SnO ₂ Nanocomposite: Structural Evolution and Photoluminescence Modulation
PP-16	Mr. Sahil	Cost-effective Hydrothermal Synthesis of WS ₂ Nanorods
	Mr. Praveen Kumar	
PP-17	Mr. Sambhav Jain	ELECTRONIC STOPPING POWER CALCULATIONS USING LSS THEORY: MODIFIED APPROACH
PP-18	Mr. Shubham Kumar	NOVEL ANTI-CORRSIVE COATING MATERIAL IMPREGNATED WITH METAL .
PP-19	Mr. Aaqib ahmad shah	Structure of FeMn/CoFeB bilayers: x-ray reflectivity and grazing incidence x-ray diffraction studies
PP-20	Mr. ALOK	One-step and Cost-effective hydrothermal methodology of MoS ₂ nanoflowers with structural analyses
	Mr. Golden Saini	
PP-21	Ms. Sarika Rai	Li-Doped KNN-PVDF Nanocomposites: A Pathway to Efficient Flexible Piezoelectric Harvesters
PP-22	Mr. Zeenat	Heteroatom-Doped Carbon Nanoparticles as Antibiotic Nanocarriers to Combat Antimicrobial Resistance
PP-23	Ms. Archana Chauhan	Porphyrin Based Metal- Organic Framework for Enzyme mimic catalysis
PP-24	Ms. Shanno Parveen	Defect-Engineered CeO ₂ Nanoparticle-Based Dual-Optical Platform for Rapid Bilirubin Detection
PP-25	Mr. Raj Kushwaha	First Principle DFT calculations of sulphur doped NaNiO ₂ energy material
PP-26	Mr. Rushav Raj	Gallium Nitride (GaN) Semiconductor Detectors and AI-Driven Analytics for Natural Radiation and Extreme Environments: A Review
PP-28	Mr. GOURAV SHARMA	Influence of post-deposition annealing and deposition temperature on the microstructure and magnetic properties of Cr/SmCo 5 bilayer thin films
PP-29	Ms. Muskan Chandel	Design and simulation of narrow linewidth 1064nm DFB semiconductor laser
PP-30	Ms. Yashika Garg	Assessment and monitoring approaches of nanoparticles in environment
PP-31	Ms. Shambhavi Yadav	Eco-friendly Synthesis of rGO using Waste Battery-Derived Carbon and Its Studies
PP-32	Ms. Krishma Garg	Green Materials For Construction Technology
	Mr. Vikram Singh	
PP-33	Mr. Arshpreet kaur	Estimation of Uranium and radon levels in drinking water source of Tosham region, Bhiwani district Haryana, India
	Mr. Armanpreet Singh	
PP-34	Mr. Pardeep Singh	ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM FOR PREDICTION OF YOUNG'S MODULUS OF POLYMER MATRIX COMPOSITES
	Mr. Jashanpreet Singh	
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PP-128	Mr. Dheeraj Lohar	Synthesis of various nanoparticles for biosensing applications
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