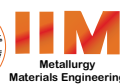


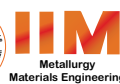


Poster Presentations

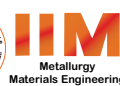
ABS ID	Name	Institution/Affiliation	Title of the Abstract
2	Rohini Verma	IIT Delhi	Development of antifouling chitosan/PEO membrane
4	Nirmal Rathore	MLS University Udaipur	Development and Characterization of Periodate oxidized Cotton Fabric for Human Healthcare system
5	Megha Yadav	MLS University Udaipur	Development of Anti-bacterial Polylactic acid Film for Biomedical applications
6	Pooja Badsara	MLS University Udaipur	Development and Characterization of Sodium Alginate-based Membranes for Wound Healing System
7	Chesta Mehta	MLS University Udaipur	Development and Characterization of Polyvinyl alcohol Nanocomposite Membranes for Drinking Water Disinfection
38	Pankaj Sharma	Jagannath university	Mechanical Characterization and Biodegradability Analysis of Bio Composite material fabricated by Using Fine Waste Wood Carbonated Powder
43	Ujjwal Sahu	VNIT Nagpur	Development of flexible CZTS based thin film solar cell
44	Nikita Uday Lote	VNIT Nagpur	Transforming Super Napier Grass into High-Capacitance Carbon for Energy Storage
48	Mohit Tiwari	IIT Indore	Surface Characteristics and Tribological Performance of Severely Surface Deformed AISI 304L Stainless Steel
54	Soumya Ranjan Behera	NIT Rourkela	Effects of Modelling of Interfacial Energy Between FCC and HCP Phase on the Stacking Fault Energy Calculations in Fe-Mn Alloy System
55	Soumya Shouvik	NIT Rourkela	Effects of Modelling of Interfacial Energy Between FCC and HCP Phase on the Stacking Fault Energy Calculations in Fe-Mn Alloy System
58	Lakshya Sharma	MNIT Jaipur	Influence of pellet basicity on properties of iron ore pellets using lime as flux and bentonite as binder
60	Devesh Singh	Dayalbagh Educational Institute Agra	Utilisation of Bagasse Ash and Rice Straw in fabrication of Eco-Friendly bricks
61	Mohit Singh	IIT Jodhpur	In-Situ Monitoring and Control of Plasma Plume in Direct Energy Deposition of Stainless Steel 316L
63	David Shalem Carey Kavuri	IIT Jodhpur	Comparative analysis of wear resistance: continuously cooled carbide-free bainitic steel vs. hardox-450 martensitic steel
64	Nishtha Veluri	Manipal Univeristy Jaipur	Oblique Angle Deposition of Ga ₂ O ₃ Thin Films by e-beam Evaporation for Self-Cleaning Window Layers in Silicon Solar Cells
66	Manoj J	IIT Jodhpur	In-Situ Temperature Monitoring and Process Control in Additive Manufacturing of Inconel 718 with Optical Emission spectroscopy
68	Mahima Prasad	Dayalbagh Educational Institute Agra	Sugar cane bagasse ash as Cement Replacement on Properties of Mortars



ABS ID	Name	Institution/Affiliation	Title of the Abstract
70	Rimlee Saikia	Gauhati University	Reduced Graphene Oxide Production by Silicon Thin Film Deposition using Ionized Physical Vapor Deposition
74	Rohit Bagal	DIAT Pune	Activated charcoal and foam residue-incorporated open-cell polyurethane foam: Effect on the sound absorption, flame retardancy and mechanical properties
76	Anup Malik	MNIT Jaipur	Current Trends and Emerging Technologies for Piezoelectric Materials in Biomedical Applications
77	Shashi Ranjan Pathak	MNIT Jaipur	A Review on Industrial Applications of Piezoelectric Materials
84	Soumya Shouvik	NIT Rourkela	Modelling of Interfacial Energy as Function of Thermodynamic Driving Force for Austenite to Epsilon Martensite Phase Transition to Estimate Stacking Fault Energy for Fe-Mn-C Alloy System
85	Shreyas T M	IIST Trivendram	Effect of Post-Processing Heat Treatment on Microstructural Evolution and Mechanical Properties of Additively Manufactured (LPBF) Inconel 625
91	Neha	Dayalbagh Educational Institute Agra	Wheat Straw Burning: Causes, Environmental Challenges, and Its Sustainable Use in Soil Improvement
92	Anshuman Singh Tomar	Dayalbagh Educational Institute Agra	Optimizing Strength and Sustainability: Investigating LC3 for Enhanced Rammed Earth Construction
97	Puneet Agrawal	Dayalbagh Educational Institute Agra	Sustainable Concrete Using Recycled Coarse Aggregate : A Path Toward Eco-Efficient Construction
102	Diksha Gola	Dayalbagh Educational Institute Agra	Pull-Out Performance of Headed Rebars Embedded in Plain Cement Concrete and Steel Fiber Reinforced Concrete
107	Mohammed Fahad Gauri	MNIT Jaipur	Rice husk ash as filler in epoxy: Contribution to microwave absorption performance
111	Devesh Singh	Dayalbagh Educational Institute Agra	Evaluation of GFRP Bars in Reinforced Concrete Columns: A Step Towards Durable Construction
116	Uday pratap Singh Bais	MANIT Bhopal	Phase and microstructure evolution of high entropy alloy processed via mechanical alloying
122	Gabender Singh	Dayalbagh Educational Institute, Agra	Utilisation of Bagasse ash and Rice straw in fabrication of eco-friendly bricks.
123	Madhura Makarand Darwhekar	COEP Technological University Pune	EMI shielding effectiveness of high-performance polymer-based composites
124	Parth Ravindra Nagure	COEP Technological University Pune	Study on microwave absorption properties of high performance polymer composites
130	Mukul Joshi	MNIT Jaipur	Modification of the shape memory polymer composites hybridized with functionalized graphene nanoplatelets: enhancement of mechanical, thermomechanical and thermogravimetric properties.



ABS ID	Name	Institution/Affiliation	Title of the Abstract
131	Divij Jain	MNIT Jaipur	Tribometry analysis of Ni-P-Graphene oxide/Carbon nano tubes composite coatings prepared by electroless deposition process
135	Mohd Ayan Anwar	Gurukula Kangri (Deemed to be University) Haridwar	Fabrication and Characterization of Highly Efficient Blue Organic Light Emitting Diode (OLEDs) Using TADF Emitters
143	Manu Partap Singh	NIT Kurukshetra	Self Repairing Flexible Pavements
149	Sanjeev Kumar	NIT Kurukshetra	Performance and Durability Assessment of Full-Depth Reclamation Mixes with Cement and Chemical Stabilizers
154	Rohit Narayan	NIT kurukshetra	Enhancing the Performance of Stone Mastic Asphalt Using Fiber Reinforcement
155	Gurinder Singh	PEC Chandigarh	Comparative Analysis of Metallurgical and Mechanical properties of Gas Tungsten Arc and Laser Beam welded joints of Incoloy 800HT
156	Sheetal Meena	NITTTR Chandigarh	Exploring the Microstructure and Corrosion Resistance of HAP/TiO ₂ coatings on Ti-6Al-4V alloy.
157	Nadeem Khan	The maharaja sayajirao university of baroda	A review on ultra-high-performance concrete: Utilisation and Limitations in road infrastructure
159	Amit Kumar	NIT Kurukshetra	Performance Evaluation of Bituminous Concrete with RAP and Low-Viscosity Binder
161	Manoj Yadav	NIT Kurukshetra	Effect of Gradation on Full-Depth Reclaimed Pavement Performance
164	Vishesh Katariya	MNIT Jaipur	A Study on the Effects on Tribological Properties of Al-SiCp Nanocomposites
166	Jyoti Kumari	NIT Kurukshetra	Optimization of Geocell Dimensions for Square Footings Resting on Clayey Soil
167	Ashwani Saini	CSIR-CRRI New Delhi	A review on quaternary blending of supplementary cementitious compounds as a partial replacement of cement in paving grade concrete
168	Bhuneshwar Paswan	IIT Jodhpur	Novel 2D Hematene (HM) based hybrid material Co ₃ O ₄ @HM for photo Sensing for Industrial Applications
169	Rahul Kumar Saini	MNIT Jaipur	Synthesis of AlCoCrFeMg High-Entropy Alloy via Powder Metallurgy Route
170	Khushi Kumari	Dayalbagh Educational Institute Agra	Effect of macro encapsulated PCM in building envelope: Experimental analysis
173	Supriya Kodali	University of Hyderabad	Comparative Analysis of Various Parameters for Production of High-Quality Graphene by Shear Exfoliation
174	Raj Singh	Dayalbagh Educational Institute Agra	Utilization of Marble Dust Powder as Partial Cement Replacement and the Inclusion of Moss Concrete for Sustainable Construction
175	Debabrata Das	MNIT Jaipur	A review on synthesis and properties of bulk consolidated Al-Mg/Al-Mg-Li alloys



ABS ID	Name	Institution/Affiliation	Title of the Abstract
178	Shrawan Kumar Bairwa	MNIT Jaipur	Study of aging behavior of Al-4.5%Cu alloy synthesized via powder metallurgy route
180	Pranshu Goyal	MNIT Jaipur	Resistance spot welding of SS 304
182	Amit Kumar	NIT Kurukshetra	Evaluation of Bituminous Mix Performance Using RAP and Low-Viscosity Binder
187	Sai Charan Dharavath	University of Hyderabad	Thermo-Physical Studies of Mg-doped Bi ₂ Te ₃ Thin Films by Varying Doping Concentrations for Improved Thermoelectric Performance Via Thermal Evaporation
192	Aman Kumar	MNIT Jaipur	Redicting the Tribological Properties of Surface Coatings by Optimized Machine Learning Approaches
194	Nishi Gandha	IIT Roorkee	A review on recent approaches for microplastic removal for sustainable development
196	Ranveer Singh	MNIT Jaipur	A Comparative Study of Thermal and Mechanical Processing of SS304L Steel
198	Pramendra Kumar	IIT Delhi	Influence of Increased Pozzolanic and Non-Pozzolanic Fines on the Volumetric Behavior of Mortar Under Various Curing Conditions
201	Kavita Kumari	MNIT Jaipur	Hydrothermally deposited MoS ₂ coatings on Mild steel substrates
203	Ujjwal Singh	IIT Jodhpur	Development of an AI-powered Hematene Sensor for Exhaled Nitric Oxide Detection in Asthma Monitoring
208	Santosh Kumar	IIT Patna	Role of powder morphology on δ -phase content in plasma sprayed alumina coatings
212	Abhishek Arora	IIT Jodhpur	Enhancing Sustainability in Titanium Alloys: Ti407 as a Greener Alternative to Ti-6Al-4V.
213	Kanta Chaudhary	NITTTR Chandigarh	Material Characterization and Comparison in SLM-fabricated specimens vs Cast Structured specimens
215	Navinbhai Punambhai Chikhaliya	Sardar Patel University	Synthesis, Characterization, and Solubility Studies of Novel polybenzimidazopyrroles for Polymer Electrolyte Membranes for the fuel cell.
218	Khushi Khandal	MNIT Jaipur	Synthesis and Characterisation of Non Equiatomic High-Entropy Alloy Al _{0.2} Co _{1.5} Cr _x FeNi _{1.5} Ti Fabricated by Mechanical Alloying and Spark Plasma Sintering: Impact of Varying Chromium Content on Corrosion Resistance, Wear Resistance, Hardness, and Phase Evolution
221	Hanana Abdul Majeed	CIPET-IPT Kochi	Biopolymer based Thin Film for Wound Healing Application
253	Ashutosh Shivhare	NFC Kota	Automation in the Process Route of Making Zirconium Alloy Ingots
258	Sanjay Yadav	MNIT Jaipur	MoSe ₂ nanosheets as a cathode material for Gel Polymer Electrolyte based Zinc-air battery
259	Jatin kumar	MNIT Jaipur	Design of Metal-Ceramic in-situ Interpenetrating Phase Composite (IPC) architecture for high toughness parts
260	Ayele Ossa Leka	DIAT pune	Pulse Laser-Synthesized Au@S ₂ O GCN (Graphitic Carbon Nitride) Nanostructures for Enhanced dark & Visible Light-Driven Supercapacitor Applications