

Details of the abstracts

S. No.	Abstract-ID	First Authors with affiliation	Title	Mode: Oral/ Poster	Registration Status
1.	SES-1	A. Kale R & D department, Surface Modification Technologies Pvt. Ltd., Vasai (East) Email: ashwin.kale@smt.co.in	Use of Surface Energy Analyzer and Tribo-simulatore in assessment of PVD coatings	Oral	Completed
2.	SES-2	R. Mundotia/ P. Vishwakarma R & D department, Surface Modification Technologies Pvt. Ltd., Vasai (East) Email: rajesh.mundotia@smt.co.in	Tailoring TiSiN Coatings: Influence of Deposition Parameters and Cathode configuration on Silicon Content and coating properties	Oral	Completed
3.	SES-3	Nitesh Vashishtha National Engineering Industries Ltd. Email: nitesh.vashishtha@nbcbearings.in	Tribological and Mechanical properties of Ti-doped MoS ₂ deposited using RF Magnetron Sputtering	Oral	Completed
4.	SE-1	B. Venkatesh Department of Mechanical Engineering Vardhaman College of Engineering, Hyderabad, India Email: bvt2275@gmail.com	Plasma Nitriding of M 50 NiL Steel	Oral	Completed
5.	SE-2	Soham Chatterjee Department of Physics, Birla Institute of Technology and Science, Pilani, Rajasthan-333031 E-mail: mrcsoham@gmail.com	Successive Hydrogen Adsorption on MgO Honeycomb Substrate Supported Ti-Doped Mgn (n=3-6) Clusters: A DFT Study	Oral	Completed
6.	SE-3	Florian Zischka Institute of Applied Physics, TU Wien, Vienna, Austria Email: florian.zischka@tuwien.ac.at	Butterfly Wing Scales as Inspiration for Multifunctional Building Surfaces	Poster	Completed
7.	SE-4	Vikash Kumar Department of Physics, Birla Institute of Technology, Mesra-835215, Ranchi, India Email: vikashkr.001@gmail.com	Superlubricant Behaviour of Nanocrystalline Diamond Films Deposited on Ti-6Al-4V substrates using HFCVD	Oral	Completed
8.	SE-5	Arun Kumar Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Uttar Pradesh-208016, India. Email: arunkumar20@iitk.ac.in	Mechanical and Tribological Response of Cold Sprayed Anti-Wear Coating	Oral	Completed
9.	SE-6	Bharti Malvi Atmospheric Plasma Division, Institute of Plasma Research, Bhat, Gandhinagar 382016, India, Email: bharti.malvi@gmail.com	Hot Corrosion Resistance of Plasma Sprayed Thermal Barrier Coatings	Oral	Completed

10.	SE-7	Rajnish Goyal Defence Metallurgical Research Laboratory, Kanchanbagh, Hyderabad – 500 058 Email: goyal.rajnish@gmail.com	Properties of electroplated metallic coatings under dynamic loading conditions	Oral	Completed
11.	SE-8	Subir Roy DMRL, DRDO, Kanchanbagh, Hyderabad-500058 Email: r-subir.dmrl@gov.in	Development of CuMn ₂ O ₄ High emissivity coating by Suspension Plasma spray technique	Oral	Completed
12.	SE-9	Neha Chakraborty Department of Physics, Birla Institute of Technology Mesra, Ranchi, India, 835215 Email: nehachakraborty0510@gmail.com	Investigation of Charge Transfer Kinetics in ITO-coated PET Substrates and PMMA-Based Polymer Gel Electrolytes for the application of DSSCs	Oral	Completed
13.	SE-10	C.Anil Kumar Reddy Department of Mechanical Engineering, KL University, Vijayawada, India Email: bvt2275@gmail.com	Influence of Carburizing on Surface layer of M50 NiL Steel for Bearing Applications	Oral	Completed
14.	SE-11	S. Gokul Lakshmi/ Gaurav Kumar Defence Metallurgical Research Laboratory PO: Kanchanbagh, Hyderabad: 500058, India Email: gokul.dmrl@gov.in	Mechanical and Tribological Properties of Al ₂ O ₃ -TiO ₂ Coating as Low Cost Thermal barrier Coating	Oral	Completed
15.	SE-12	Yogesh Kumar Sahu Physics department IIIT Naya Raipur, Chhattisgarh India Email: yogesh@iiitnr.edu.in	Impact of Ca dopant in Structural, Electronic and Optical Properties of Hg _{1-x} CaxSe _{1-x} S _x for Optoelectronic Application	Oral	Completed
16.	SE-13	Kamal Solanki Electronics and Communication Engineering Department, International Institute of Information Technology, Naya Raipur, Chhattisgarh – 493661, India, Email: kamalsolanki033@gmail.com	Quantum Modelling of CO Gas Sensor using Doped/Undoped Armchair and Zigzag GNR	Oral	Completed
17.	SE-14	Swagata Chakraborty Department of Physics, St. Xavier's College, Ranchi - 834001, Jharkhand, India Email: babi2911@rediffmail.com	Synthesis and luminescence investigation of Mn ²⁺ / Mn ⁴⁺ -doped ZnWO ₄ phosphors for LED applications	Oral	Completed
18.	SE-15	A. S. Bhattacharyya Department of Metallurgical and Materials Engineering, Central University of Jharkhand, Ranchi 835205, India Email: arnab.bhattacharya@cuj.ac.in, +917870674251	Switching Gears: Exchange Bias and Dewetting for Next-Gen Data Storage	Oral	Completed
19.	SE-16	Chanchal Ijardar Dr. SPM International Institute of Information Technology, Naya Raipur, Chhattisgarh, India	Effect of Technology Scaling on RLGC based Copper Interconnects	Oral	Completed

		Email: chanchal@iiitnr.edu.in			
20.	SE-17	Rakesh Prasad University Department of Physics, Ranchi University, Ranchi. Ranchi - 834001, Jharkhand, India Email: rakeshprasadiitg@gmail.com	Enriched frequency upconversion of Er ³⁺ ion doped in ZnTiO ₃ host for green emitting display devices applications	Oral	Completed
21.	SE-18	Lakshmi Mukhopadhyay Department of Physics, IIT ISM Dhanbad, Jharkhand-826004, India E-mail: lakshmi55.ism@gmail.com	Enhanced photocatalytic activity of the upconverting BiVO ₄ :Ho ³⁺ /Yb ³⁺ @TiO ₂ core-shell nanostructure	Oral	Completed
22.	SE-19	Manu PriyaDarshani Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: manupriyadarshani05@gmail.com	Optimizing Solar Cell Efficiency Using Graphene Oxide Thin films	Oral	Completed
23.	SE-20	Anurag Sharma Department of Chemical Engineering, Indian Institute of Technology Tirupati, Andhra Pradesh, India-517 619 Email: ch22s501@iittp.ac.in	Surface functionalized carbon dots embedded in chitosan-PVA hydrogel film – A portable solid-state sensing platform for on-site fluorometric quantification of Fe ³⁺ and Co ²⁺	Oral	Completed
24.	SE-21	Annadaa Shankara Dash School of Nanoscience and Technology IIT Kharagpur Email: annadaa@gmail.com	Effect of Nano-crystallization and Spraying Technique on Wear and Aqueous Corrosion Resistance of Free Form Fabricated CoNiCrAlY	Oral	Completed
25.	SE-22	Vinay Joru School of Engineering Sciences and Technology, University of Hyderabad, Prof. CR Rao Road, Gachibowli Email: 20enph03@uohyd.ac.in	Importance of deposition temperature on the Structural and Mechanical Properties of (AlCrNbSiTi)N Films	Oral	Completed
26.	SE-23	B. Venkatesh Department of Mechanical Engineering, Vardhaman College of Engineering, Telangana -501218, India Email: bvt2275@gmail.com	Corrosion Behavior of M50 NiL Steel by Liquid Nitriding Method for Aerospace Bearings	Oral	Completed
27.	SE-24	Upasana Mishra Department of Chemistry, Ranchi University, Ranchi, Jharkhand, Email: upasanamishra805113@gmail.com	Properties and Characterization of Dialdehyde Cellulose for Surface Coating in Drug delivery system	Oral	Completed
28.	SE-25	Suruchi Kumari Department of Metallurgical and Materials Engineering, Central University of Jharkhand, Ranchi 835205, India Email: suruchi.22200201002@cuja.ac.in , +917742433181	Topological Insights into the TriboCoats related to Surface Engineering and Bio-based Applications	Oral	Completed

29.	SE-26	Kamal Bahadur Yadav Dept. of Metallurgical and Materials Engineering, NIT Jamshedpur, Jharkhand Email: kamalnit13@gmail.com	Development of Bioactive functionally graded coating on Ti-6Al-4V alloy	Oral	Completed
30.	SE-27	Sumit Kumar Dept. of Metallurgical and Materials Engineering, NIT Jamshedpur, Jharkhand Email: sumitrpm@gmail.com	Development of Hydroxyapatite based composite coating on Mg alloy by electrophoretic deposition (EPD) method	Oral	Completed
31.	SE-28	Biplab Baran Mandal Department of Mechanical Engineering, Jadavpur University, Surface Engineering Lab, E-mail: bbmandal.mech.rs@jadavpuruniversity.in	Synergistic Effect of Nanoparticle-Reinforced Electroless Composite Coatings on Pipeline Steel: Synthesis and Characterization	Oral	Completed
32.	SE-29	Abinash Kumar CSIR-National Metallurgical Laboratory Jamshedpur, Jharkhand, India Email: abinash.122116@gmail.com	Magnetron Sputtered Al-Cr-Si-N Hard Coating: Influence of Substrate Temperature on Mechanical, Structural and Scratch Behaviour	Oral	Completed
33.	SE-30	Chandra Sekhar Rauta Department of Mechanical Engineering, Jadavpur University, Kolkata, 700032, West Bengal, India Email: csrauta.mech.rs@jadavpuruniversity.in	Parametric Optimization of Electroless Ni-W-P coating on Mg AZ31 Alloy for Improving Microhardness	Oral	Completed
34.	SE-31	Bidipta Dam Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur, Kharagpur WB-721302, India Email: bidiptadam@kgpian.iitkgp.ac.in	Mechanical Property Evaluation of Laser Surface Cladding of Rockit® 401 Powder on Al 1100 for Improving Wear Resistance	Oral	Completed
35.	SE-32	Ashish Mehta Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: ashishmehta066@gmail.com	Nonlinear Optical Properties study of Pure and Brilliant Green Dye-Doped potassium aluminium sulfate dodecahydrate (KAS) Single Crystals	Oral	Completed
36.	SE-33	Reetik Singh Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: reetiksingh870970@gmail.com	Plasma treatment of aluminium alloys to enhance adhesion, surface wettability, and corrosion resistance of graphene-primer coatings	Oral	Completed
37.	SE-34	Sudarsan Das Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: iph10009.21@bitmesra.ac.in	Enhancing the surface properties of IMI 834 titanium alloy through plasma nitriding: improved high-temperature performance	Oral	Completed

38.	SE-35	Mangesh Patil Production and Industrial Engineering Department, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, 835215, India Email: mangeshpatil536@gmail.com	Enhancing Wear Resistance of AISI 1070 Steel Using Laser Surface Hardening for Railway Applications	Oral	Completed
39.	SE-36	Kumar Kanishka Department of Production and Industrial Engineering, BIT Mesra, Ranchi, India Email: kanishkbvp@gmail.com	Impact of Inconel 625 and Chromium Powders on Wear and Corrosion Resistance of AM70 Steel Clads via Arc-DED on AISI 1020 Steel	Oral	Completed
40.	SE-37	Siddhartha Samanta Department of Chemistry, Birla Institute of Technology (BIT) – Mesra, Ranchi, Jharkhand, 835215, India Email: siddharthasamanta95@gmail.com	Morphology-Dependent Covalent Organic Polymers Exhibit Tunable Charge Storage Performance in Supercapacitor Application	Oral	Completed
41.	SE-38	Vivek Kumar Plasmonics and Perovskites Laboratory, Department of Materials Science and Engineering, IIT Kanpur, UP 208016, India Email: vivek21@iitk.ac.in	Niobate-based high entropy oxide for waste heat recovery at higher temperatures	Oral	Pending
42.	SE-39	Saikat Chattopadhyay Department of Physics, School of Basic Sciences, Manipal University Jaipur, Jaipur, Rajasthan, 303007, India Email: saikat.chattopadhyay@jaipur.manipal.edu	Enhanced Photocatalytic Efficiency of Zn(O, S)-rGO Nanocomposite	Oral	Completed
43.	SE-40	Saikat Nandi Indian Institute of Technology Kharagpur Email: sktnandi@gmail.com	Effect of Substrate Preheating Temperature on Microstructure, Phases and Crack Formation in Pulsed Wave-Laser Material Deposition (PW-LMD) of NiCoCrAlY	Oral	Completed
44.	SE-41	Monisa Das Modak Department of Electronics and Communication Engineering, C.V.Raman Global University, Bhubaneswar 752054, India Email: ece.dpanda@cgu-odisha.ac.in	Artificial Nociceptor Based on TaOx-based Transparent Memristor Synapse	Poster	Pending
45.	SE-42	Debashis Panda Department of Electronics and Communication Engineering, C.V.Raman Global University, Bhubaneswar 752054, India Email: ece.dpanda@cgu-odisha.ac.in	Flexible SnOx/HfOx Based Invisible Bio-mimetic Memristor for Advanced Neuromorphic Computing	Poster	Pending

46.	SE-43	Gayatri Dash Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: gayatridash1998@gmail.com	Investigation of structural, electrical and electrochemical properties of $\text{La}_{0.5}\text{Bi}_{0.3}\text{Sr}_{0.2}\text{Fe}_{0.6}\text{Mn}_{0.4}\text{O}_{3-\delta}$ as a novel cathode material for intermediate temperature solid oxide fuel cell (IT-SOFC)	Poster	Completed
47.	SE-44	Sweta K.Choubey Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: swetachoubey2000@gmail.com	Optimization of Sintering Conditions for Ce-Doped BCZT Solid Solutions: Structural, Dielectric, and Ferroelectric Properties	Poster	Pending
48.	SE-45	Shree Krishna School of Nanoscience and Technology IIT Kharagpur, West Bengal, India Email: shreekrishna022@gmail.com	Microstructure and Wear behavior of High entropy alloy developed by mechanical alloying followed by spark plasma sintering	Poster	Pending
49.	SE-46	Subhash Kumar Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi – 835215, India Email: phdme10001.23@bitmesra.ac.in	ANN-NSGA Driven Optimization of Electroless Nickel Boron Coating for Enhanced Functional Properties	Poster	Completed
50.	SE-47	Manoj Kumar Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi – 835215, India Email: manojnit09@gmail.com	Effects of Surface Roughness and Erosion on the Performance of Cyclone Separator	Poster	Pending
51.	SE-48	Syed Shuja Hasan Zaidi Department of Physics, Indian Institute of Technology Jodhpur, India Email: zaidi.1@iitj.ac.in	A Molecular Dynamics Study of Wetting and Phase Separation Kinetics: Wetting by the Majority Component	Poster	Completed
52.	SE-49	Joydip Dutta Institute Post-Doctoral Fellow, Central Research Facility, Indian Institute of Technology (Indian School of Mines) Dhanbad-826004, Jharkhand, India Email: miiteshchakraboorty@gmail.com	Investigation on the surface modification of some stainless-steel samples using an atmospheric pressure plasma jet technology	Poster	Completed
53.	SE-50	Isha Bibhuti Department of Physics, Birla Institute of Technology Mesra, Patna Campus E mail: paramjit.kour@bitmesra.ac.in	Optimizing Scaffold Performance through Surface Engineering: A Review on Enhancing Magnetic, Mechanical, and Biocompatibility Properties	Poster	Completed
54.	SE-51	Apurva Singh Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi Email: phdph10055.22@bitmesra.ac.in	Preparation of Saraca asoca extract loaded ZnO/PVA nanocomposites as antibacterial coatings for orthopaedic implants	Poster	Completed

55.	SE-52	Kumar Anand Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi Email: kumaranand9934375@gmail.com	Fabrication and characterization of Graphene oxide nano-material infused natural polymers based super absorptive self-healing dressing foams	Poster	Completed
56.	SE-53	Sanat Kumar Department of Physics, Birla Institute of Technology Mesra, Ranchi, 835215, India Email: sanatphy@gmail.com	Tribological study of MoS ₂ -based metal composite coating on steel surface	Poster	Completed
57.	SE-54	Satyam Upadhyay Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: satyamsu17@gmail.com	Ti-Al doped MoS ₂ Coatings on M50 steel for superior tribological applications	Poster	Completed
58.	SE-55	Rakesh Kumar Pandey Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: rakeshkpandey1995@gmail.com	Perovskite Thin Film for Solar Cell Applications	Poster	Completed
59.	SE-56	Shuvalaxmi Das Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: shuvalaxmi.das309@gmail.com	Effect of particle size disparity on the surface morphology of a polydisperse Lennard-Jones mixture	Poster	Completed
60.	SE-57	Reena Kumari Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: reena29rajwar@gmail.com	The Effect of Plasma Nitriding on Mechanical and Anti-corrosion properties Titanium alloy Ti-6Al-4V	Poster	Completed
61.	SE-58	Smit Anand Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: srismitanand@gmail.com	Structural, mechanical, electrical and biocompatibility investigation of Butea Monosperma and copper doped-hydroxyapatite	Poster	Completed
62.	SE-59	Rohit Kumar Mahto Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: ra_p_rohitkumar@bitmesra.ac.in	Understanding Growth of Transition Metal Dichalcogenides using Chemical Vapor Deposition: From Fractal to Compact	Poster	Completed
63.	SE-60	Sangeeta Lakra Department of Physics, Birla Institute of Technology, Mesra, Ranchi 835215, Jharkhand, India Email: sumit.sxc13@gmail.com	β -phase enhancement in PZT incorporated PVDF films synthesized by the solution casting technique	Poster	Completed

64.	SE-61	Rohit Agrawal Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi – 835215, India Email: phdme10004.20@bitmesra.ac.in	Mechanical, high temperature tribo-analysis and corrosion of Ni-B-W-Mo coating with varying W and Mo content developed by electroless process	Poster	Completed
65.	SE-62	Abhinandan Kumar Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi – 835215, India Email: kumarabhi.dtg@gmail.com	Comprehensive Mechanical and Wear Assessment of Electroless duplex Ni-B Coatings stabilizer free with W inclusion	Poster	Completed
66.	SE-63	Bashudeb Prakash Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: bashudebprakash108@gmail.com	Advances in Nanocrystalline Diamond Films: Deposition, Characterization, and Device Fabrication	Poster	Completed
67.	SE-64	Zahid Mukhtar Department of Metallurgical & Materials Engineering, National Institute of Technology Srinagar, J&K-190006, India Email: zahidmukhtar_mech@nitsri.ac.in	Comprehensive analysis of microstructure, corrosion resistance and tribological performance in CrN/ZrN coatings	Poster	Completed
68.	SE-65	Mir Qurrat Ul Ain Department of Mechanical Engineering National Institute of Technology, Srinagar, J&K, India, 190006 Email: qurratmir_mec010@nitsri.ac.in	Characterization of Ni-Based Alloy C-263: Wear Properties, Mechanical Performance, and Corrosion Resistance for Nuclear Reactor Applications	Poster	Pending
69.	SE-66	Vivek K. Mishra Defence Metallurgical Research Laboratory PO: Kanchanbagh, Hyderabad-500058, India E-mail: mech.vivek1912@gmail.com, vivekmishra.dmrl@gov.in	Effect of Hot Isostatic Pressing on Microstructure and Mechanical Properties of Abradable MCrAlY Boron Nitride Polymer Coating	Poster	Completed
70.	SE-67	Zahid Mukhtar Department of Metallurgical & Materials Engineering, National Institute of Technology Srinagar, J&K-190006, India Email: zahidmukhtar_mech@nitsri.ac.in	Influence of CrN and ZrN coatings on the nano-mechanical, tribological, and bio-corrosion properties of Ti-6Al-4V alloy	Poster	Completed
71.	SE-68	Monalisa Dash Department of Physics, C.V. Raman Global University, Bhubaneswar, Odisha 752054, India Email: monalisadash96@gmail.com	Electric field Amplitude and frequency induced ferroelectric, energy storage and strain behaviour of Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ ceramics	Poster	Pending
72.	SE-69	Sai Kumar Katta	Influence of nitrogen content on the structural and mechanical Properties of (MoNbTaW) _{Nx} films	Poster	Completed

		School of Engineering Sciences and Technology, University of Hyderabad Email: vgk@uohyd.ac.in			
73.	SE-70	Ritambhara Dash Department of Metallurgical and Materials Engineering, Central University of Jharkhand, Ranchi 835205, India Email: ritambhara.dash@yahoo.com	Step Up to Nano: Pedestal Cantilevers for Next-Gen N/MEMS	Poster	Pending
74.	SE-71	Apurva Singh Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi Email: phdph10055.22@bitmesra.ac.in	Recent advances in surface coated biomaterials for enhancing biocompatibility and durability of orthopaedic implants	Poster	Completed
75.	SE-72	Swarnim Swati Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi Email: phdph10055.22@bitmesra.ac.in	Advanced Coating Strategies for Polymethyl Methacrylate (PMMA) to Improve Chemical Resistance and Biocompatibility	Poster	Completed
76.	SE-73	Gaurav Pransu Department of Physics, Birla Institute of Technology Mesra, Ranchi, 835215, India Email: gpransu02@gmail.com	Corrosive Behavior of Transparent Conducting Electrodes in Dye-Sensitized Solar Cells (DSSCs)	Poster	Pending
77.	SE-74	Manoj Kumar Rout Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: mkumarrou47@gmail.com	Critical and multifunctional behavior of RE ³⁺ doped Co-Zn nanoferrites	Poster	Completed
78.	SE-75	Kirti Sharma Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: kirti.sharma151700@gmail.com	Auto-Rejuvenating Surface Coatings for Enhancing the Reusability of Glucose Sensors: A Novel Approach	Poster	Completed
79.	SE-76	Reena Kumari Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: reena29rajwar@gmail.com	Design, fabrication and performance analysis of Lead Free KNN-LT Piezoceramic For Under Water sensing and actuation Applications	Poster	Completed
80.	SE-77	Manaswita Patnaik Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email Id: manaswitaannie@gmail.com	Tailoring Aggregate Morphology and Size of Calcium Tungstate Powders Through Hydrothermal Synthesis	Poster	Completed
81.	SE-78	Zahid Mukhtar	Comprehensive Evaluation of Ag, Cu, and DLC Coatings on Ti-6Al-4V Alloy Deposited by DC Magnetron Sputtering for Biomedical Applications	Poster	Completed

		Department of Metallurgical & Materials Engineering, National Institute of Technology Srinagar, J&K-190006, India Email: Zahidmukhtar_mech@nitsri.ac.in			
82.	SE-79	Sudarsan Das Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: iph10009.21@bitmesra.ac.in	Structural, mechanical, electrical, and thermal investigation of 1%-Cu/Zn/Mg doped hydroxyapatite to be used as hard tissue implant	Poster	Completed
83.	SE-80	Chandan Jha Department of Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand 835215, India Email: srismitanand@gmail.com	Eco-friendly silver nanoparticle-doped hydroxyapatite from Azadirachta indica: Microstructural and electrical performance for hard-tissue implants	Poster	Completed
84.	SE-81	Nikita Mohite Department of Production and Industrial Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, Pin - 835215, India Email: Nikita.Mohite@hoganass.com	Enhancement of High-Temperature Sliding Wear Resistance of Modified Martensitic Stainless Steel Deposited by Laser Surface Cladding	Poster	Completed
85.	SE-82	Kumari Neha SBS, IIT Bhubaneswar, Argul-Jatni Rd., Kansapada, Odisha, 752050, India Email: kn14@iitbbs.ac.in	MBE Growth of Ge on 4H-SiC and its Role on Optical Bandgap Tuning	Poster	Pending
86.	SE-83	Krishnapriya Pradhan Department of Physics, C.V. Raman Global University, Bhubaneswar, Odisha 752054, India Email: krishnapriyyaaa@gmail.com	Improvement of wettability performance of silica thin film via surface modification using silane-based hybrid functionalizing agent	Poster	Completed
87.	SE-84	Manoj Kumar Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi – 835215, India Email: manojk@bitmesra.ac.in	An Optimizing of Cyclone Separator Design for Erosion and Wear Resistance	Poster	Pending
88.	SE-85	Rakesh Production and Industrial Engineering, BIT Mesra, Ranchi Email: somakdatta@bitmesra.ac.in	Optimizing EDM Tool Fabrication via Fused Deposition Modelling: A Critical Evaluation of Conductivity Coatings and Porosity Control	Poster	Pending
89.	SE-86	Ranjeet Prasad Department of Production and Industrial Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India Email: phdpe10051.22@bitmesra.ac.in	Surface Roughness Evaluation of High Strength Thermal Resistant Metal in Incremental Sheet Metal Forming	Poster	Completed

90.	SE-87	Vikash Kumar Department of Physics, Birla Institute of Technology, Mesra-835215, Ranchi, India Email: vikashkr.001@gmail.com	Al-doped MoS ₂ Coatings on M50 Steel using Pulse Laser Deposition for improved tribological applications	Poster	Completed
91.	SE-88	Sahina Khatun Department of Chemistry, Birla Institute of Technology (BIT) – Mesra, Ranchi, Jharkhand, 835215, India Email: phdche10003.22@bitmesra.ac.in	Bottom-up synthesis of twisted porous graphene through heterogeneous Scholl reaction and its supercapacitor application	Poster	Pending
92.	SE-89	Rakhohari Bauri Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, West Bengal Email: psaha@mech.iitkgp.ac.in	Pseudoelasticity comparison of laser deposited and arc melted in-situ nitinol	Oral	Completed
93.	SE-90	Selvakumar Murugesan Department of Chemical Engineering, Indian Institute of Technology Tirupati, Tirupati - 517619, Andhra Pradesh, India. Email: ch21d003@iittp.ac.in	Surface-Modified Sepiolite Nanoclay Particles for Stabilization of Oil-in-Water Pickering Emulsions	Poster	Completed