

Poster Presentations

Day 1:

Time: 5:05 pm - 7:30 pm

Poster ID	Presenter	Title
P1.	Dr. Busupalli Balanagulu	Use of Synthetic Membranes and Nanotechnology for the treatment of industrial wastewater containing Dyes and Heavy metals
P2.	Mr. Sourav Bhattacharjee	Synthesis and characterization of Ba-doped vanadium-based double perovskite for multifunctional applications
P3.	Mrs. Femina Brahma	Structural, Dielectric and Magnetic investigation of Sm-modified Fe doped perovskite
P4.	Sachin Kumar Ben	Synthesis of g-C ₃ N ₄ /Zn ₃ (PO ₄) ₂ Composite for Photocatalytic Degradation of Crystal Violet Dye under Solar Light
P5.	Dr. Abhisek Maikap	Nano-structured semiconductor thin-film based enzyme-free sensor devices for environmental applications
P6.	Dr. Rama Gaur	Facile synthesis of Type II ZnO-CdS nanostructures for applications in waste water treatment
P7.	Manish Joshi	Materials for Green Energy: A Review
P8.	Miss Arshia Khan	Calcium based photocatalyst as a material for green environmental sustainability: Synthesis and application in water and wastewater treatment
P9.	Miss Akanksha Nema	A Mini Review on Photo-active Construction and Building Materials for Pollutant Treatment: Challenges & Opportunities
P10.	Miss Arunima Singh	Enhanced Generation of Hydroxyl Radicals by OMS-2 Catalyst for Flue Gas Absorption
P11.	Miss Bindia Thakur	Glass for high-level nuclear waste immobilization
P12.	Miss Dhyarvi	Study of composite based plastic scintillators for nuclear battery application
P13.	Miss Muskan Jain	Hybrid Perovskite based Memristor Devices
P14.	Miss Pooja Talwar	Accident tolerant fuel cladding material challenges

P15.	Miss Perna Vinchhi	Nanocrystalline YSZ Electrolyte by coprecipitation for Solid Oxide Fuel Cell
P16.	Miss Suchismita Dutta	Renewable energy harvesting through Maglev windmill
P17.	Mr Shobhit Chaturvedi	Application of PSO and GA stochastic algorithms to select optimum building envelope and air conditioner size - A case of a residential building prototype
P18.	Mr. Debabrata Chakraborty	Phosphonate ligand based novel Co-MOF for electrocatalytic hydrogen evolution
P19.	Mr. Hemanth Kumar Beere	Metal sulfides loaded biomass derived carbon sheets for efficient hydrogen evolution reaction
P20.	Mr. Jiasheng Chen	Hierarchical Fe-Co-P@Ni(OH) ₂ Core@Shell Nanoarrays for High-Performance Asymmetric Supercapacitors
P21.	Mr. Naveen Kumar	Ceramics for high-level nuclear waste immobilization
P22.	Mr. Nirbhay Singh	High Efficient Activated Carbon Based Asymmetric Electrode for Energy storage Device
P23.	Mr. Soham Chakraborty	Connecting conformational stiffness of the protein with energy landscape by a single experiment
P24.	Mr. Subhajit Mojumder	Copper chromite thick film based trace Ethanol sensor
P25.	Mr.A.Ponshanmugakumar	Enhancement of solar dehydrator heat transfer for agriculture products
P26.	Mrs Chandni Pachouri	Factorial design based preparation, optimization, characterization and in vitro drug release studies of Rifampicin loaded chitosan nanoparticles
P27.	Ms. Maya Balasaheb Mane	Vortex Diodes as vortex flow based cavitation devices for wastewater treatment applications- Newer designs and applications
P28.	Miss Mansi Bharatbhai Patel	Flexible Metal Halide Perovskite Solar Cells
P29.	Miss Navpreet Kamboj	Utilizing laser-irradiated graphene-polymer contact electrification as a sustainable power source in triboelectric nanogenerator
P30.	Miss Priyanka Barauh	A review on energy efficient solar dryer for drying agricultural crops
P31.	Miss Sharmin S. Tinwala	Harvesting Solar Energy from Lead-free Perovskite Solar cells by Photo-Electrochemical water splitting: A Review
P32.	Mr. Hari Krishna Mishra	Piezoelectric Polymer Nanocomposites for High Energy Storage Density

P33.	Mr. Himanku Bordoloi	A Review on Improved Biomass Cook Stove for Rural Application
P34.	Mr. Kanishk Shah	Reduction of Carbon Footprint of Electric Vehicles by using battery alternatives and integrated Photovoltaics.
P35.	Mr. Kirankumar Jivabhai Chaudhary	Nanocrystalline YSZ Electrolyte by coprecipitation for Solid Oxide Fuel Cell
P36.	Mr. Milind V Dudhiya	Energy efficient solar drying configurations with storage incorporation
P37.	Mr. Neeraj Kumar Biswas	Role of electrolytic pH on the performance of nanostructured TiO ₂ thin films in photoelectrochemical water splitting
P38.	Mr. Nishant Mandal	Latent energy storage systems and its applications
P39.	Mr. Niteen R. Yeole	Advancements in modification and characterization of adsorbent materials including zeolites for removal of sulfur from diesel fuels
P40.	Mr. Prahlad Yadav	Constructing a Zinc ion miniaturized planer battery with patterned laser scribed carbon supported electrodes
P41.	Mr. Rajan Jaiswal	Novel methods for biofuel production
P42.	Mr. Robin Singh	A Critical Review on Green Hydrogen
P43.	Mr. Santu Ruidas	"Metal-Free Triazine based 2D Covalent Organic Framework for Efficient H ₂ Evolution via Electrochemical Water-Splitting"
P44.	Mr. Shashank Gautam	Impact of hydrogen embrittlement in pipeline structures- A critical review
P45.	Mr. Shubham Srivastava	Solar Photovoltaic System and Its Fire Safety in Indian Scenario
P46.	Mr. Souhardya Bera	Structural features and optical properties of double perovskite Cs(CH ₃ NH ₃)AgPb _{1-x} Sn _x Cl ₆ for decreased lead use in photovoltaic applications
P47.	Mr. Sreedhar Doraswamy	Lead-carbon composite as a current collector for lead-acid energy storages
P48.	Mr. Mukesh Ashokkumar Khandla	Nanocrystalline CeO ₂ based Water Gas Shift (WGS) Catalysts for Fuel Cell Application
P49.	Mrs. Alpana Singh	Green materials for carbon storage in depleted oilfields: An experimental study
P50.	Ms. Shweta Tanwar	Aging Impact of Se powder on the Electrochemical Properties of Molybdenum Selenide: Supercapacitor Application
P51.	Mr. Keita Djibril Sekou	The mobility study of metal oxide nanoparticles (NPs) in City and Agricultural soils

P52.	Mr. Sabyasachi Ghosh	Ecological safety of biogenic mono and bimetallic (Au-Ag) alloy nanoparticles and its catalytic performance in environmental remediation
P53.	Mr. Sachin Bisht	Corrosion inhibitors in oil and gas industry- A critical review
P54.	Dr Dip Prakash Samajdar	~18% Efficient GaAs Nanowire-based Radial junction Solar cells with excellent Light Harvesting and Charge Transport properties
P55.	Miss Aditi Singh	Development of Gold@Nanocarbon Composite and its potential catalytic and absorption applications.
P56.	Miss Unnati Dipakkumar Patel	Synthesis, characterization and application of Cd(II) MOF as a functional material for reversible dye adsorption
P57.	Mr. Abdul Jabbar Ansari	Microstructure and mechanical behaviour of reinforced aluminium based surface composites synthesized by friction stir processing route: A review
P58.	Mr. Vikaskumar Patel	Influence of substrate temperature on structure, and optical absorption characteristics of Zn _{1-x} Mg _x O thin films grown by Pulsed Laser Deposition Method
P59.	Mr. Jayendra Ahire	Hydrothermal Synthesis of ZrO ₂ -Al ₂ O ₃ and Its catalytic application for direct synthesis of dimethyl carbonate
P60.	Ms. Bhooma Bhagat	Wet chemical synthesis of zinc ferrite particles and study on their acetone and ethanol sensing characteristics.
P61.	Ms. Jency D Gosai	Development of 2D MXene by HF-free Approach towards Electrochemical Devices
P62.	Ms. Monikaben Patel	Development of 2D MXene by HF-free Approach towards Electrochemical Devices
P63.	Dr. Nitya Chawda	Lanthanide based nanosensors for sensing application
P64.	Dr Dip Prakash Samajdar	First principle Study of Structural and Optical Properties of InP and InP _{1-x} N _x
P65.	Dr. Sabuj Kanti Das	A 2D Covalent Organic Framework as a Metal Free Cathode Material Towards Electrochemical Oxygen Reduction Reaction
P66.	Dr. Sandeep Gholap	Basically Controlled MgCo ₂ O ₄ Nanostructures as Catalyst for Hydrogenation of Carbon Dioxide (CO ₂) to Formic Acid (HCOOH)
P67.	Dr. Tapan K. Pal	Network Engineering of MOFs for Heterogeneous Catalysis
P68.	Kavil Mehta	Probing the Cavitation Bubbles Produced during Laser Ablation of Copper Immersed in Liquid under Tightly Focused Conditions using Shadowgraphy Technique

P69.	Miss Dharaben Jayeshbhai Joshi	Analytical applications of surface modifications graphene oxide
P70.	Miss Nandini Verma	Critical Aspects of Materials in LNG Value Chain
P71.	Miss Puja Ghosh	Comparison Sensing Study of Antase Cube and Rutile Rod based Structure
P72.	Miss Roshni Rathore	Removal of aqueous Phosphate from water using MNFe ₂ O ₄ @g-C ₃ N ₄ Nanocomposites
P73.	Miss Shilpa Singh	An Ab-initio analysis of Rutile Phase of ThO ₂
P74.	Miss Veena Sodha	Zeolites based nano-composites for waste water treatment
P75.	Miss Zenab Darban	Hydrogel-based adsorbent materials for heavy metal removal from industrial waste water.
P76.	Miss. Elangbam Pinky Devi	An Efficient Approach Toward P(III)-Mediated Aza-Michael Addition of 1,2-Diazoles to Enones
P77.	Miss. Moumita Sarkar	Simultaneous Effect of CaF ₂ and TiC on Tribological Properties of ZTA Ceramics for High Temperature Application
P78.	Miss. Vedant Soni	Influence of tool travel direction on microhardness and tribological properties of AA2014/SiC-CNT hybrid surface composites produced by multi-pass friction stir processing
P79.	Mr. Ajay Desai	Insilico studies of novel functionalized calix[4]pyrrole derivatives for selective and sensitive detection of antibiotics and metal ions
P80.	Mr. Amiy Anshukar Yaduvanshi	Comparative study of CuO/ZTA & ZTA composites in terms of Mechanical and Frictional Properties
P81.	Mr. Debsundar Dey	Prediction Of Mechanical Properties Of Steel Using Machine Learning
P82.	Mr. Kevin Kumar Patel	Effect of single and double pass friction stir processing on microhardness and wear properties of AA5083/Al ₂ O ₃ surface composites
P83.	Mr. Mohsin Ali	A Novel Potentiometric sensor for Determination of Fluoride ion based on Ionophore N, N-Ethylene bis (Salicylideneaminato) nickel
P84.	Mr. Pomal Nandankumar Chamanlal	Strapped calix[4]pyrrole: Emerging Trends Based on Calix Protected Metal Nanoparticles
P85.	Mr. Pranjal Nath	Ammonia Sensing by Silicon Nanowires (SINWs) obtained Through Metal Assisted Electrochemical Etching
P86.	Mr. Ranjit Dandapani	Development of 2D MXene by HF-free Approach towards Electrochemical Devices

	Mohili	
P87.	Mr. Saikat Bolar	3D hierarchical V and N-codoped MoS ₂ /rGO composite as a superior electrode material towards hydrogen evolution reaction in acidic and alkaline medium
P88.	Mr. Sovandeb Sen	Room temperature gas sensing properties of reduced graphene oxide decorated NiO-SnO ₂ nanocomposite
P89.	Mr. Swarup Kumar Rout	Catalytic Iodine and Morpholine as a Reagent Combination for Hydration of Alkynes via Markovnikov Addition
P90.	Mr. Tirthankar Mukherjee	Optimization of adsorption parameters using modified activated carbon in removal of cationic dye employing Response Surface Methodology
P91.	Mr. Varun Pratap Singh	Designing of CoWO ₄ Nanostructures based Electrochemical Biosensor for the Detection of Hazardous Hydroquinone
P92.	Mr. Yash Thakare	Waste Lignin and Metal Oxides for altering the Physical and Chemical Properties of Bitumen
P93.	Mr. Padmora Manohar Shivaji	Metallo-Organic Coordination Assembly based Co-Mn Bimetallic Supramolecular Material for Dehydrogenation and Hydrogenation Reaction
P94.	Mrs Malini Jayaram	CO ₂ adsorption studies on N-doped activated carbon prepared from Chitosan/Casein microspheres
P95.	Ms. Dolly Gandhi	Naturally occurring Bentonite clay: structural augmentation, characterization and application as catalyst
P96.	Silvana Rodrigues Pereria	Self-healing ultra-thin film of a tetrathiafulvalene vinylogue at the air-water interface
P97.	Mr Nikhil Vekariya	Improvement in the properties of carbon/carbon composites by tailor-made approach
P98.	Dr. Dip Prakash Samajdar	Design and Simulation of InAsBi PIN Photodetector for Long Wavelength Infrared Applications
P99.	Dr. Dip Prakash Samajdar	Bandgap Tailoring of InAsBi for Long Wavelength Infrared Applications using Density Functional Theory
P100.	Dr Subhendu Chakroborty	Nanoceramics: Synthesis and Versatile Applications
P101.	Miss Deeksha	Improving oxygen evolution reaction activity by tuning the morphology of LaCoO ₃ from nanoparticles to nanorods using surfactant-assisted synthesis.

P102.	Miss Moulie Ghosh	Effect of Molar Ratio of Feed on the Facile Synthesis of Silicon Nano-Sheets from Laboratory Waste Glass
P103.	Mr. Ravi Rai	Rapid growth of ZnO nanostructures on woven carbon fiber using microwave treated chemical bath deposition and their characterization
P104.	Mr.Hardik Nasit	Hydrothermally Synthesized Copper- Nanocomposites for C(sp ³)-H Oxidative Methylesterification
P105.	Siba Soren	Hydrothermal Synthesis of SnO ₂ /N-rGO nanocomposite for Oxygen Reduction Reaction
P106.	Miss Jinal Patel	Recent advances in use of Carbon-based Nanomaterials for the degradation of Agrochemicals
P107.	Miss Sadhana Kundu	Colorimetric sensing of fluoride ion by 4-quinonimine functionalized gold nanoparticles
P108.	Mr. Aungat Shah	Parameters Involved in CNT Growth: A Review
P109.	Mr. Bharkumar Prajapati	P-aminobenzoic acid functionalized silver nanoparticles for colorimetric determination of deferoxamine
P110.	Mr. Gauravkumar Girishchandra Trivedi	An Efficient Decolorization and Adsorption of Cationic Dye by Mesoporous SiO ₂ -Al ₂ O ₃ Nanocomposite
P111.	Mr. Ghinaiya Nirav Vajubhai	Nanomaterials based colorimetric and fluorometric method for assays of ROS: A review
P112.	Mr. M. Armstrong	The review on recent trends in experimental an numerical study on the thermal performance of double pipe heat exchangers with nanofluids
P113.	Mr. Shivsmabhu Kumar	Mechanistic study of improved rheological properties and thickening time of oil-well cement slurries using silica nanoparticles
P114.	Mr. Taral Patel	Development of gold@nanocarbon composite and it's potential catalytic and adsorption applications
P115.	Mr.Arun Kedari Venuvanka	Design, development and evaluation of ketorolac tromethamine nanoparticles"
P116.	Mr.Bharat Patel	Chloroquine phosphate loaded PLGA Nanoparticles: Formulation and Characterization against Antimalarial activity
P117.	Smt .Sandhya Pathak	Formulation and Evaluation of Alendronate loaded Chitosan Nanoparticles for Effective treatment of Osteoporosis
P118.	Miss Bhaswati	ZnO Nanorod-Based FET Biosensor for Detection of Cancer Biomarker

	Chakraborty	
P119.	Miss Tanushri Das	ZnO nanostructured based trace ammonia sensor for medical application
P120.	Mr. Aakash Waghmare	Synthesis of Iron Phosphate Nanoparticle and Removal of Lead from Water
P121.	Mr. Rohit Lakhani	Hydrothermally Synthesized Copper- Nanocomposites for C(sp ³)-H Oxidative Methylesterification

Day 2:**Time: 5:05 pm - 7:30 pm**

Poster ID	Presenter	Title
P122.	Miss Shivangi Adhiya	Design, Synthesis And Characterization Of Thiazole Containing Heterocyclic Derivatives Of Medicinal Interest
P123.	Mr. Ravikumar Abhesinh Dabhi	Synthetic approach towards spiro quinoxaline- β -lactam based heterocyclic compounds: Spectral characterization, DNA/BSA interactions and biological studies.
P124.	Mr. Tushar Patel	Design and Synthesis of Novel Imidazolidine-2,4-dione Derivatives as InhA Inhibitors: Spectral Characterization, Computational and Biological Studies
P125.	Vivekshinh Kshtriya	Self-assembly of a benzothiazolone conjugate into panchromatic fluorescent fibres and their application in cellular imaging
P126.	Dr. Krishna Kumari Swain	An emerging overview on copper catalyzed α -Ketoamides assembly Pharmacophores synthesis against COVID-19 pandemic
P127.	Dr. Nandini Mukherjee	Recent advances in fluorescent chemosensors for aromatic amino acids detection, Fluorescent probes for cellular-organelle specific detection of cysteine
P128.	Dr. Sumit Bhawal	Developing Ionic Liquid based Drugs-An opportunity hiding in plain view
P129.	Dr. Unnati J Naik	"Study of Surface modification of Gold Nanoparticles by Bilastine through Surface Plasmon Resonance study for cellular cytotoxicity"
P130.	Miss Aayushi Joshi	Fluorescent probes for cellular-organelle specific detection of cysteine
P131.	Miss Bharti Koshti	Unusual Aggregates Formed by the Self-Assembly of Proline, Hydroxyproline, and Lysine
P132.	Miss Sanket Shah Komal Sutaria	Study of Surface modification of Gold Nanoparticles by Bilastine through Surface Plasmon Resonance study for cellular cytotoxicity

P133.	Miss Surabhi Singh	Enhanced lipid recovery from chlorella sp. biomass by green approach: combination of ultrasonication and homogenization pretreatment techniques (Hybrid method) using aqueous deep eutectic solvents
P134.	Miss Vaishali Chugh	THIAZOLE BASED HETEROCYCLIC COMPLEXES AS IMPORTANT MOIETY FOR BIOLOGICAL APPLICATIONS IN MEDICINAL FIELD
P135.	Miss. Reetu	In-Silico Studies for targeting PPAR γ for the Type II Diabetes Mellitus
P136.	Mr Anupam Roy	In-Silico Studies for targeting PPAR γ for the Type II Diabetes Mellitus
P137.	Mr Parth Parmar	Enhanced Oil Recovery by Biomaterials-based Nanofluids – A State-of-Art Review
P138.	Mr. Chandresh Kumar Patel	Iodine-catalyzed C-N Bond Formation: Synthesis of α -Ketoamides in Water
P139.	Mr. Dileep Pathote	Optimization of Corrosion Behavior of 316L Stainless Steel as an effective biomaterial for orthopaedic applications
P140.	Mr. Kamalkant	Docking-based Evaluation against Human Tankyrase-1 Enzyme
P141.	Mr. Jaymin Parikh	Calixarene encapsulated nano-system: Selective recognition of amino acids
P142.	Mr. Mohil Odedara	Recent advances in fluorescent chemosensors for aromatic amino acids detection
P143.	Mr. Nikunj Kumar Vagadiya	Recent advances in fluorescent chemosensors for aromatic amino acids detection
P144.	Mr. Rahul Kumar Vishwakarma	Antioxidant, COX inhibition activity of various extracts of Betula utilis and molecular docking study of phytochemicals against COX-1 and COX-2
P145.	Mr. Rahul Sirvi	Characterization of naturally occurring Geomaterials for the remediation of ions of nuclear importance
P146.	Mr. Ranjit Barua	Analysis the surgical needle insertion modeling and viscoelastic tissue material interaction for minimally invasive surgery (MIS)
P147.	Mr. Sudipto Datta	Advancements of Bioinks used in Extrusion-based Bioprinting
P148.	Ms Rajinder Kaur	Pharmacological importance of novel harmine derivatives
P149.	Dr. Bhoomika Joshi	Study of Surface modification of Gold Nanoparticles by Bilastine through Surface Plasmon Resonance study for cellular cytotoxicity

P150.	Miss Biva Ghosh	A hydrogel Sheet Mask with tea tree essential oil entrapment and targeted dose delivery capability
P151.	Miss Stuti Jha	Biochar: a sustainable approach towards environmental remediation
P152.	Mr Chinnappareddy	Study of antimicrobial applications of Bismuth Oxide
P153.	Mr. Milan Parsottambhai Dhaduk	Tryptathrin Based Pt(II) Complexes: Biological and Computational Studies
P154.	Mrs. Isha Gupta	Biocomposite incorporated with plant-mediated Silver nanoparticles for improved anti-microbial and wound healing properties
P155.	Miss. Amutha Arul	Self-assembly of cell penetrating cationic tripeptide Nanospheres for biomedical application
P156.	Dr. Lakshmana Rao Jeeru	Synthesis and Characterization of Low- Cost Wood – based Biosorbent
P157.	Bhupender Kumar	Synthesis of Insitu Immobilized Copper Oxide Nanoparticles on Microcrystalline Cellulose: Investigation of Catalytic Activity in 1,3-Dipolar Cycloaddition Reaction for the Synthesis of Fluorescent Active Compounds
P158.	Dr. Nitin Kaduba Chaudhari	Development of 2D MXene by HF-free Approach towards Electrochemical Devices
P159.	Miss Mekhna Venu	Controlled Synthesis of g-C ₃ N ₄ Nanofibers /NaNbO ₃ Arrayed Nanostructures for Enhanced Visible Light-Driven Photocatalysis
P160.	Miss Pund Sangita Nanasaheb	Impact of Mg ²⁺ substitution on structural, magnetic and optical properties of Cu-Cd ferrites
P161.	Mr. Akshay Bharatbhai Panchasara	Effect of Growth Condition on the I-V behavior of BiFeO ₃ / Si Thin Film Devices
P162.	Mr. Saurabh Yadav	Investigation of Structural and Dielectric Properties of Sn-doped Ga ₂ O ₃ Nanoparticles
P163.	Mr. Soumalya Roy	Syntheses, Structures, and Magnetic Properties of Pentanuclear Spirocyclic Ni ₄ Ln Derivative: Field Induced Slow Magnetic Relaxation by Dysprosium and Erbium Analogue"
P164.	Mr.Muthaimanoj Periyasamy	Influence of hydrothermal carbonization temperature on structural, optical and photocatalytic properties of magnetite/carbon (Fe ₃ O ₄ /C) nanocomposites

P165.	Dr. Anup V. Sanchela	The effect of sulfur doping on thermoelectric properties of FeSb ₂
P166.	Miss Jeel Swami	Magnetic Ordering of GdCrO ₃ : An Ab initio Study
P167.	Miss Jyoti Shukla	Effect of Ti ⁴⁺ on Structural and Electrical Transport Properties of Y _{0.95} Ba _{0.05} MnO ₃ Ceramics
P168.	Miss Mynam Venkata Harshita	3D hierarchical V and N-codoped MoS ₂ /rGO composite as a superior electrode material towards hydrogen evolution reaction in acidic and alkaline medium
P169.	Miss Nabasmita Saikia	Structural and Electrical behavior of Gd-doped LaFeO ₃ for Device Application
P170.	Miss Rimpi Chakravarty	Dielectric and electrical properties of Ca-modified BFN perovskite
P171.	Miss Tulasi A	A Brief Review On Material Used In MEMS Devices For Various Applications
P172.	Miss Vibhuti Chauhan	Performance Investigation of Ferroelectric Spacers for Negative Capacitance FinFETs
P173.	Miss. Shashikana Paria	Electronic and Optical Properties of MoS ₂ 0D and MoS ₂ 2D Sheet
P174.	Mr. Dheeraj Jaiswal	Electrochemical behaviour of lead free Sn-In-Al solder alloys in 3.5wt. % NaCl solution
P175.	Mr. Ezhava Manu Manohar	A Mini-Review on Emerging Trend of Co(II)/Ln(III) Complexes as Single Molecule Magnets
P176.	Mr. Hemant Jatav	The effect of metal concentration and annealing temperature on the optical properties of silver nanocomposite
P177.	Mr. Jignesh G. Hirpara	Optical properties investigation of reactively sputtered Tantalum oxynitride films
P178.	Mr. Mayur Khan	Study of structural and electronic properties of few-layer MoS ₂ film
P179.	Mr. Mohamad Numan	Vacancy induced mixed valence state in nickel telluride Ni ₃ TeO ₆
P180.	Mr. Neelesh Jain	Investigation of Optical and Electronic Properties of InAsNBi for Infrared Detection
P181.	Mr. Rakesh Kumar Prasad	Effect of structural quality of Graphitic carbon nitride (g-C ₃ N ₄) nanosheets on g-C ₃ N ₄ /p-Silicon photodiode Performance
P182.	Mr. Varun Gupta	Self-Powered Pyroelectric Nanogenerator

P183.	Ms. Mayuri Vikramsinh Vaghela	The First-principles investigation of Structural and Electronic Properties of B3-HgSe amalgam
P184.	Pratik M Gadhavi	First Principal Study of Electronic and Thermal Properties of Arsenic doped Graphene
P185.	Dr. Vikram Uttam Pandit	Layered MoS2 for photocatalytic dye degradation
P186.	Mr. Bachir Yaou Balarabe	Hydrothermal Synthesis of TiO2/Au Nanocomposites for Photocatalytic Dye Degradation in Continuous Flow Reactor Under Visible Light
P187.	Mr. Santanu Sen	Electrical impedance and dielectric property investigation of CaTiO3 modified BFO perovskites for possible device applications
P188.	Miss Zinnia Mallick	In-situ CsPbI3 synthesis in single-step electrospinning process within piezoelectric host polymer
P189.	Miss. Sakshi Gupta	Synthesis and Characterization of Titanium Phosphate –Polypyrrole Composite for Application in Adsorption of Hexavalent Chromium
P190.	Mr. Hareshkumar Sevantilal Modi	Synthesis and physico-chemical studies of unsaturated polyester polyol of multifunctional epoxy resin containing s-triazine ring and its jute/glass composites
P191.	Miss Anindita Mukherjee	Ferroelectric Properties of Mn Doped PZT Polystyrene Composites Prepared by Melt Mixing Method
P192.	Miss Shewli Pratihari	Enhanced dielectric, ferroelectric and energy harvesting properties of three phase composites based on PVDF/ZnO and modified carbon nano tube
P193.	Miss Snehal Vataliya	Growth of PPy in PVDF-PVP matrix using two different approaches of in-situ polymerization
P194.	Miss Tanya Ladla	Structural, optical and dielectric properties of ZnO dispersed PVDF based conducting polymer nanocomposites
P195.	Mr M Siranjeevi	Analysis and optimization of Carbon Fiber Reinforced Polymer SEA structures to impart the crashworthiness
P196.	Mr Saurabh Kumar	Ballistic Efficiency of Corchorus Fiber and Aramid Reinforced Epoxy Composite For Armor Material Application

P197.	Mr. Abhijit Nath	Polystyrene-NiO-CNT Ball and Film for Photocatalytic Degradation of Methylene Blue
P198.	Mr. Amit Chanda	Compressive and thermomechanical properties of random and aligned carbon nanofiber/epoxy composites
P199.	Mr. Avik Chowdhury	Porous organic polymer for adsorptive removal of mercury: experimental and theoretical insights
P200.	Mr. Jaideep Adhikari	Polycaprolactone assisted electrospinning of honey/betel with chitosan for tissue engineering
P201.	Mr. Nilesh Tiwari	Thermomechanical behaviour of the smart polymer nanocomposites reinforced with graphene and its modelling
P202.	Mr. Prathwiraj Meena	Comparative study of TGA kinetic data for LDPE and PET plastics using model-fitting and model-free methods
P203.	Mr. Pratik Chhapiya	Nano-structured thin films of copolymer with graphene and its derivative for gas sensing
P204.	Mr. Priyankkumar H. Kachhia	Castor-oil based Polyurethane/NiCo-OLDH Nanocomposites with Improved Flame Retardant Properties
P205.	Mr. R. S Krishna	A Review on Potential of Graphene Reinforced Geopolymer Composites
P206.	Mr. Rushik Rameshbhai Radadiya	Waste to Best: Chemical recycling of polyethylene terephthalate (PET) for generation of useful molecule
P207.	Mr. Sourav Maity	Donor Acceptor co-doped BaTiO ₃ as an efficient dopant in the output voltage enhancement of PVDF nanogenerator
P208.	Mr. Ashwin Sailesh	Mechanical Properties of Kenaf-Areca Fiber Reinforced Polymer Composites
P209.	Mr. Selvakumar.C	Impact and hardness properties of sisal-coir-glass hybrid fiber reinforced polymer composites
P210.	Mrs. Sushma Jha	Alumina dispersed PNC films of PVA-CMC-PPy
P211.	Ms. Pinki	Double Layer Spin Coating Deposition of PVDF for Controlling Surface Roughness and Piezoelectric Response

P212.	Mr. Tahir Mehmood	Bis(2-methylpridinium) tetrachlorocuprate(II): Synthesis, Structure and Hirshfeld surface analysis:
P213.	Dr. Ranjan Kumar Pati	PREPARATION OF CERIA BASED WATER GAS SHIFT CATALYST BY COPRECIPITATION METHOD
P214.	Miss. Pooja B. Naik	Fabrication of a high performance flexible Zinc ion capacitor with agricultural biomass derived mesoporous layered carbon sheets
P215.	Mr. Dashrathbhai B. Kanzariya	Synthesis of fluorescent Zn (II) based MOF: selective detection of pesticides in aqueous media
P216.	Mr. Rudra Desai	Synthesis of fluorescent Zn(II) based MOF: selective and sensitive detection of pesticides in aqueous media
P217.	Mr. Utsav Sengupta	Fabrication and structural insights of spinel heterostructure Fe ₃ O ₄ @Co ₃ O ₄ at various ratios
P218.	Mr. Gulam Shabbani	Synthesis and Characterization of bis [1-(thiophen-2-yl)-N(p-tolyl)methanimine]PdCl ₂ Complex
P219.	Dr. Anirban Das	Study on the dye adsorption characteristics of activated alumina and Fe (III) impregnated activated alumina
P220.	Dr. Punit H Suthar	Thermodynamics calculation of Al-TM (TM=Fe, Co, Ni and Cu) binary alloys - A local pseudopotential Approach
P221.	Miss Aarti Solanki	Morphological alteration in tricalcium aluminate system with and without silica nanoparticles
P222.	Miss Vaishali Chauhan	Study on the Dye Adsorption Characteristics of Activated Alumina and Fe(III)
P223.	Miss. Parvathy Hari	Efficacy Study of non-Lanthanide Small Luminescent Molecules as Gunshot Residue Indicators
P224.	Mr Amarjeet Dutta	Development Progress on Infrared Stealth Composites
P225.	Mr. Amishwar Raysing Shelte	Nanoscale Nickel Oxide-Nickel Heterostructure in a Zinc Oxide Support: Selective and Sustainable Hydrogenation and Dehydrogenation
P226.	Mr. Debsundar Dey	Machine Learning Approaches for Phase Prediction of High Entropy Alloys

P227.	Mr. Harsh D. Trivedi	QUINOLINE INCORPORATING PYRIMIDINE RING ASSEMBLIES: SYNTHESIS, CHARACTERIZATION, APPLICATIONS AND IN SILICO ADMET STUDIES
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