**Poster Presentation List**

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| **Paper Id** | **Title** |
| PP/01 | Effect of Nickel Deposited Carbon Fiber on Epoxy Composite For Electromagnetic Interference (EMI) Shielding Application  **Aishwarya Ananya**, Rohini Rani, Bose Suryasarathi  *Department of Materials Engineering, Indian Institute of Science, Bangalore-560012* |
| PP/02 | Hybrid Membrane of Poly Ether Imide For Medium Temperature and Low Humidity Proton Exchange Membrane Fuel Cell,  **Atfa Enam**, Sk.J.Rahamanb, G.Sharkhel  *Centre for Energy Engineering, Central University of Jharkhand, Ranchi* |
| PP/03 | ANFIS Model for Prediction of Water Temperature for Scheffler Solar Reflector  Om Prakash, **Rahul Agarwal**  *Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi* |
| PP/04 | Green Synthesis of Iron Nanoparticles: Nitrobenzene Reduction and PH Responsiveness Study  **Piyal Mondal**, Mihir Kumar Purkait  *Chemical Engineering Department, Indian Institute of Technology Guwahati, Assam - 781039* |
| PP/05 | Studies on Mechanical Properties and Structural Analysis of Advanced Carbon Fibre Reinforced Epoxy Composite for High Performance Car  Prakriti, Shivam Rai and G Sarkhel  *Department of Chemical engineering and Technology, BIT, Mesra, Ranchi, Jharkhand* |
| PP/06 | Development of Graphite Oxide Filled Pem Composed of Crosslinked Semi-IPN of Sulfonated Styrene and Poly (Vinyl Alcohol) In a Single Chambered **Rudra Ruchira**, Kumar Vikash, Kundu Patit Paban  *Advanced Polymer Laboratory, Department of Polymer Science & Technology, University of Calcutta, 92, A. P. C. Road, Kolkata - 700 009, India* |
| PP/07 | Removal of Heavy Metals From Wastewater Using Lowcost Mothod  **Gupta, Sandeep kumar**; Magar, Subhash  *Pravara Rural Engineering College, LoniB.k Maharastra ,413736* |
| PP/08 | Studies on Performance Evaluation of Natural Draft Counter Flow Cooling Tower  **Magar, Subhash**; Dyade, Sandip; Admanane, Vikas; Kawale, Vaibhav; Kaspate, Ravikant.  *Pravara Rural Engineering College, LoniB.k Maharastra ,413736* |
| PP/09 | Dip Coating Of Pbi/Spvdf-Co-Hfp Blend on Nafion 117 Membrane To Improve Its Efficiency As PEM,  **Mondal Sudipta**, Kundu Patit Paban  *Advanced Polymer Laboratory, Department of Polymer Science & Technology, University of Calcutta, 92, A. P. C. Road, Kolkata - 700 009, India* |
| PP/10 | Synergetic Effect Between Synthesized Silica Nanoparticles and Various Industrial Polymers on Viscosity and Filtrate Loss Properties of Drilling Fluid **Raipuria Viveka**, RaniNishaa,Sharma, V. P. ,Naiya T.K.  *Department of Petroleum Engineering, Indian School of Mines, Dhanbad, Jharkhand-500082* |
| PP/11 | Conversion of waste PET bottle to polyester resin  **Kuljeet Kumar Ravi**, Subhash Kumar Kora & Akhil Kumar Sen  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/12 | Effect of surface modification on carbon nanotubes reinforced ASA/Na-ionomer nanocomposite  **Pulak Datta**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/13 | Synthesis of functionalized chitosan stabilized gold nanoparticles for photocatalytic degradation of toxic organic dyes  **Lipi Midya** and Sagar Pal  *Polymer chemistry Laboratory, Department of Applied Chemistry, Indian School of Mines, Dhanbad- 826004, India* |
| PP/14 | Glycogen and poly (N-isopropylacrylamide) based thermo-responsive, biocompatible hydrogel for targeted delivery of colonic drugs  **Priyapratim Patra**, Arun Prabhu Rameshbabu, Dipankar Das, Santanu Dhara, Sagar Pal  *Polymer chemistry Laboratory, Department of Applied Chemistry, Indian School of Mines, Dhanbad- 826004, India* |
| PP/15 | Comparative Study of Parison Dimension of HDPE and PP  Sandip Kumar, Mandira Mukherjee, **Pulak Datta**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/16 | A Study on Steel Wool Powder / Natural Rubber Composite, Sheetal Sinha, **Pulak Datta**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/17 | Plant Growth Promotion Activity of Lac Wax Policosanol  **S. Srivastava** A. Roy Chowdhury, S. Walia and S. Saha  *Processing and Product Development Division, ICAR-IINRG, Ranchi* |
| PP/18 | Synthesis and Characterization of Cationic Derivative of Guar Gum  **Roy Chowdhury Arnab**, Thombare Nandkishore and Srivastava Sanjay  *Processing and Product Development Division ICAR-Indian  Institute  of  Natural  Resins  & Gums, Namkum, Ranchi – 834 010 (Jharkhand), India* |
| PP/19 | Curing Kinetics of Vinyl Ester Resin for Applications in Liquid Composite Molding Process  **Raghu Raja Pandiyan Kuppusamy**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/20 | Impact of filllers on the mechanical properties of thermosetting moulding compositions, Department of Chemical Engineering and Technology  **A N Mishra**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/21 | Effect of porosigen on the swelling and thermoresponsive properties of N-isopropylacryamide based trimeric hydrogel,  **Suman Shekhar**, M. Mukherjee, and A K Sen,  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/22 | Polymethylmethacrylate Grafted Barley (Bar-G-Pmma): A Promising Controlled Drug Delivery Materials  **Kartick Prasad Dey** and Sumit Mishra  *Department of Chemistry, Birla Institute of Technology-Mesra, Ranchi-835215, Jharkhand, India* |
| PP/23 | Development And Characterization Of Biopolymeric Films For Drug Delivery Function  **Kumar Ashwini**, Kumar Awanish  *Department of Biotechnology, National Institute of Technology Raipur, Raipur (Chhattisgarh), India.* |
| PP/24 | Short Carbon Fibre Reinforced Na-Ionomer Composite  **Pulak Datta**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/25 | Thermal Resistance Studies of ASA/Na-Ionomer/Carbon nanotube Composite **Pulak Datta**  *Department of Chemical Engineering and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand* |
| PP/26 | Polymer network composed of poly (vinyl alcohol) and epoxy-based pH indicator  **Samaresh Ghosh\*** and Pinaki Mandal  *Department of Chemistry, Bankura Sammilani College, Kenduadihi, Bankura-722102, WB, India* |
| PP/27 | New Pyrazole Based Single Source Molecular Precursor for the Surfactantless Solvothermal Synthesis of Nanocrystalline PbS: X-ray crystallography of ligand and plotocatalytic activity of PbS nanocrystals  Ananyakumari Santra, Gopinath Mondal, Moumita Acharjya , Pradip Bera, Abhimanyu Jana, **Pulakesh Bera**\*  *PG Department of Chemistry, Panskura Banamali College (Vidyasagar University), Panskura R.S, East Medinipur, West Bengal, India–721152* |
| PP/28 | Facile Surfactantless Synthesis of Binary (Sb2S3, In2S3), Ternary (Cu2SnS3) and magnetic Fe2O3Nanoparticlesfrom Pyrazole Based Single-source Precursor  Gopinath Mondal, Somprakash Maiti, Chinmay Maity, Arindam Maity, Ahana Roy, **Pulakesh Bera\***  *Post Graduate Department of Chemistry, Panskura Banamali College (Vidyasagar University), Panskura RS, Purba Medinipur, West Bengal, India – 721152* |
| PP/29 | Microbial, physicochemical and sensory analyses based shelf life appraisal of white fresh cheese packaged in PET-waste based active packaging film  **Amandeep Singh1**, Kamlesh Kumari2, Patit Paban Kundu1,3  1Advanced Polymer Laboratory, Department of Polymer Science and Technology, University of Calcutta, Kolkata. 700009, India  *2High Technology Laboratory, Department of Chemical Engineering, Sant Longowal Institute of Engineering and Technology, Longowal. 148806, India*  *3Department of Chemical Engineering, Indian Institute of Technology, Roorkee. 247667, India* |
| PP/30 | Development of an alternative Copper Anode catalyst supported on Polypyrrole-Graphite oxide composite for application in Direct Methanol Fuel Cell  **Prasanta Pattanayak\***, Prof. P.P.Kundu  Department of Polymer Science and Technology, University of Calcutta  92, A.P.C. Road, Kol-700 009 |