

SCHEDULE FOR POSTER PRESENTATIONS

February 28 , 2020

TIMING

4.15P.M – 05.15 P.M

Nanotechnology and Nanocomposites

Chair:

Poster No.	Paper Title
P1	<p>Polymeric nanoparticles enhancing the healing potential of iron chelator in diabetic wounds Shivam Sharma Department of Bioscience and Bioengineering, IIT Bombay, Mumbai</p>
P2	<p>Synthesis and morphological aspects of Co-Cd ferrite nanoparticles Chanda Kumari Department of Chemistry, MMV, Banaras Hindu University</p>
P3	<p>Synthesis and structural properties of MgFe₂O₄ nano ferrite Farhana Naaz Department of Chemistry, MMV, Banaras Hindu University</p>
P4	<p>Dielectric behavior of Manganese ferrite nanoparticles via sol-gel method Hemant Kumar Dubey Department of Chemistry, MMV, Banaras Hindu University</p>
P5	<p>Planococcus sp. TRC1 mediated bioconversion of lignocellulosic industrial wastes for synthesis of valuable Cellulose Nanocrystals Sourav Dutta Institute of Technology Durgapur</p>
P6	<p>Inorganic Metal Oxide Nanoparticles of Copper Oxide and Zinc Oxide for antibacterial activity in <i>E. coli</i> bacteria Monica Pandey School of Biomedical Engineering, IIT-BHU</p>
P7	<p>Impact of Computational Intelligence in Nanophononics for Space System Design and Development Subrata Mukherjee Nanomedicine Lab, School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab</p>
P8	<p>Observation of Unusual Griffith's Phase behavior in Quadruple perovskite oxide CaCu₃Mn₄O₁₂ (CCMO) Synthesized through Chemical Route Vinod Kumar Department of Chemistry, IIT-BHU</p>
P9	<p>Evaluation of antibacterial activity of the green synthesized gold nanoparticle using <i>Pleurotus florida</i> Abhay Dev Tripathi School of biochemical Engineering, IIT-BHU</p>

Biomaterial and Bioengineering

Chair:

P10	<p>In vitro bioactivity and antibacterial activity of phosphate based bioactive glasses influenced by Cu²⁺ ions for bone tissue engineering applications M. Mohan Babu Department of Physics, National Institute of Technology, Warangal</p>
P11	<p>Kinetic Modeling for Glucuronic Acid produced from <i>Paenibacillus apiarius</i> Sneha Upreti Department of Bioscience and Biotechnology, Banasthali Vidyapith, Jaipur</p>
P12	<p>Integrated application of bioprocess engineering and Biotechniques in Biotechnology Industry Anushka Mathur Department of Bioscience and Biotechnology, Banasthali Vidhyapith, Rajasthan</p>

P13	Microbial production of Hyaluronic Acid Priya Shukla School of biochemical Engineering, IIT-BHU
P14	Enhanced Production of Lipstatin, a pancreatic lipase Inhibitor, by using fermentation Technology Ritu Sinha School of biochemical Engineering, IIT-BHU
Tissue Engineering and Regenerative Medicine	
Chair:	
P15	Differential expression pattern of oxidative stress and cellular senescence markers in primary human stem cells and primary and metastatic colon cancer cells. Meenu Bhatiya ¹ (M.Sc), Antara Banerjee ¹ (M.Sc, Ph.D) Chettinad Academy of Research and Education (CARE), Chettinad Hospital and Research Institute (CHRI), Chennai
P16	Impact of miR-499a-5p in direct cardiac reprogramming of mesenchymal stem cells Saurabh Mandal Manipal Institute of Regenerative Medicine (MIRM), Manipal Academy of Higher Education (MAHE), Bangalore
P17	Active components of herbal plants as anti-filarial agents: An <i>in silico</i> approach Ayushi Mishra Department of Biochemistry, Institute of Science, Banaras Hindu University
P18	Development of Zn²⁺ ions incorporated Nano bioactive glasses (NBGs) by modified stober's method for bone tissue regeneration A.Prasad Department of Physics, National Institute of Technology, Warangal
P19	Fabrication and characterization of soy protein based electrospun nanofibers towards skin tissue engineering Neelima Varshney School of Biomedical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi
P20	Fabrication and Optimization of Micro- and Nanoparticles of Luffa Cylindrica (Sponge Gourd) in Hard Tissue Engineering Shravanya Gundu School of Biomedical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi
P21	Electrospun Silk-Gelatin Based Scaffolds towards Corneal Tissue Regeneration Ajay Kumar Sahi School of Biomedical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi
P22	Generation of chitosan based nano-biocomposite scaffolds for bone tissue engineering application Shikha Kumari ¹ (PhD) Jitu Moni Das (IDD) School of Biochemical Engineering, IIT BHU, Varanasi
P23	Development of oxygenating collagen-chitosan scaffold for skin tissue engineering Satyavrat Tripathi School of Biochemical Engineering, IIT BHU, Varanasi
P24	Generation of scaffolds by using naturally derived biomaterials for skin tissue engineering Soumya Katiyar School of Biochemical Engineering, IIT BHU, Varanasi

February 29 , 2020

TIMING

2.30P.M –3.30 P.M

Biological Engineering

Chair:

P25	Development of affinity polymer for glycoprotein separation from human plasma Mona kumari Center for Bio-separation Technology, Vellore Institute of Technology Tamilnadu
P26	Targeting the HIV-1 Tat protein and Human Tat Protein Complex with Phyto-Terpenes and Steroids: Potential applications in HIV treatment. Vipin Kumar Department of Biochemistry, Banaras Hindu University, Varanasi
P27	Biomass Briquettes: A Sustainable Approach to Utilize Natural Resources Shweta Rawat Biochemical Engineering Department, Bipin Tripathi Kumaon Institute of Technology Dwarahat
P28	Statistical Optimization Studies of Tacrolimus Production by <i>Streptomyces clavuligerus</i> MTCC 1142 Chahat Kubba School of Biochemical Engineering, IIT BHU, Varanasi
P29	Biotechnological studies on the pesticide removal with emphasis on malathion from agricultural field and its kinetic study Sonam Department of Civil Engineering, IIT BHU, Varanasi
P30	In silico approach for targeting diabetes mellitus with bioactive compounds found in daruharidra Aditi Bhatnagar School of Biochemical Engineering, IIT BHU, Varanasi
P31	Metabolic studies of <i>malus domestica</i> leaves infected with <i>venturia inaequalis</i> Sonali kumari School of Biochemical Engineering, IIT BHU, Varanasi
P32	Isolation and characterization of pigment producing bacterial strains from Arctic stone Jenifar Das School of Biochemical Engineering, IIT BHU, Varanasi
P33	Morphological, Computational and profile expression study of cyanobacteria accompanied by the reductive pathway of glycerol metabolism Shreya Anand Department of Bioengineering, BIT, Mesra, Ranchi
P34	Cost effective production of L-asparaginase using agro waste and in-silico studies using <i>Bacillus</i> sp. Deepankar Sharma School of Biochemical Engineering, IIT BHU, Varanasi
P35	Evaluation of strategies on secondary metabolite fermentation process production: a case study of mycophenolic acid Shubhankar Anand School of Biochemical Engineering, IIT BHU, Varanasi

P36	Production, Characterisation and Analysis of secondary metabolites from Streptomyces species Kanvar Singh Kohli School of Biochemical Engineering, IIT BHU, Varanasi
P37	Classification of genetic mutation using machine learning Apoorva Nagar School of Biochemical Engineering, IIT BHU, Varanasi
P38	Decolourisation of dyes present in textile effluents with the help of white rot fungi Aanshi Mehta School of Biochemical Engineering, IIT BHU, Varanasi
P39	Identification and counting of blood cells using Image Processing for biological engineering application Oceino Singh School of Biochemical Engineering, IIT BHU, Varanasi
Biomedical Engineering	
Chair:	
P40	Cyanobacteria: a prospective source of therapeutic drug Rupanshee Srivastava Department of Botany, MMV, BHU
P41	An Efficient Multimodal Deep Convolutional Neural Network to Assess Human Acute Pain Saranya Devi Subramaniam Department of Biomedical Engineering, PSG College of Technology, Coimbatore
P42	Performance Evaluation of Chitosan Nano-vehicles for the Oral Delivery of Pro-vitamin A (β-Carotene) Derived from <i>Planococcus</i> sp. TRC1 Sovan Dey Department of Biotechnology, NIT Durgapur
Biosensor and Biodiagnostic	
Chair:	
P43	Label-free nematic liquid Crystal droplets embedded Biosensors Buchaiah Gollapelli Department of Physics, NIT Warangal, Warangal
P44	Biomimetic sensor for the detection of typhoid using epitope imprinting approach Manjeet Harijan Department of Chemistry, MMV, Banaras Hindu University, Varanasi
Biofuel and Bioengineering	
Chair:	
P45	Bioprocess development for algal biofuel production by myco-phyco co-cultivation using distillery effluent Prabir Kumar Das School of Biochemical Engineering, IIT BHU, Varanasi
P46	Water quality monitoring of Ganga River using the Internet of Things (IoT) based system Farhan Ahmad School of Biochemical Engineering, IIT BHU, Varanasi
P47	Sustainable Technology for Bio-remediation and Enhanced Biomass Production using <i>Chlorella Pyrenoidosa</i> Virendra Singh & Shubhangi Mishra School of Biochemical Engineering, IIT BHU, Varanasi
Biological Engineering	
P48	Removal of Arsenic from wastewater using dry powdered rice husk Anuj Kumar Singh School of Biochemical Engineering, IIT BHU, Varanasi

P49	Modeling the microbial production of hyaluronic acid Digvijay Singh School of Biochemical Engineering, IIT BHU, Varanasi
P50	Production and Optimization of Glucose Isomerase by Streptomyces species Jayesh Piplwa School of Biochemical Engineering, IIT BHU, Varanasi
P51	Characterization of alkaline phosphatase SuryAnsh Shekhawat School of Biochemical Engineering, IIT BHU, Varanasi
P52	Photoautotrophic production of succinate by heterologous expression of glyoxylate pathway in a fast-growing cyanobacterium Synechococcus elongatus PCC 11801 Meghna Srivastavaa, Pramod Wangikar Department of Chemical Engineering, IIT Bombay, Varanasi
P53	Hyperspectral sensors for biochemical parameter detection in medicinally important plant Manish Pandey; Prashant K Srivastava Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi
P54	Production Methods for Hyaluronic Acid Shipra Gargi School of Biochemical Engineering, IIT BHU, Varanasi
P55	Characterization of Thermophilic bacteria from Manikaran hot springs Tarush Tiwari & Ashish Kumar Singh School of Biochemical Engineering, IIT BHU, Varanasi