

SDCEE-2024: Conference Schedule (In-Person)

Day 1: February 22, 2024			
8:30-9:30	Registration (Auditorium)		
9:30-10:00	Inauguration (30 min)		
10:05-10:40	Chief Guest: Prof. A. B. Pandit, ICT Mumbai, INDIA Title: Progress and Nature		
10:40-11:10	High Tea break (30 min)		
Session-1: Parallel Technical Sessions (Auditorium)			
Session Chair	Prof. Chinmay Ghoroi, IIT Gandhinagar, INDIA		
Session Co-Chair	Prof. B. K. Chudasama, DSPMS, TIET, Patiala, INDIA		
11:10-11:40	Keynote-1: Prof. Animesh Jha, University of Leeds, UK Title: Semiconductor Doped Quantum dot Glass Structures for Solar Photocatalysis and Photothermal Applications		
11:45-12:15	Keynote-2: Prof. Fulvia Chiampo, Politecnico di Torino, ITALY Title: Wastes from crops and livestock as a methane resource: The role of engineering in the whole supply chain		
12:20-12:50	Keynote-3: Prof. S. Bedi, University of Waterloo, CANADA		
12:55-13:25	Keynote-4: Dr. Prhashanna Ammu, Mondelez International, USA Title: Circularity of Plastics in Packaging: A Brand Owners' perspective		
13:25-14:25	Lunch break (60 min)		
Session-2: Parallel Technical Sessions (LT-201)		Session-3: Parallel Technical Sessions (LT-202)	
Theme: Advancements in Energy Engineering (AEE)		Theme: Sustainable Environmental Solutions (SES)	
Session Chair	Dr. Ashutosh Yadav, IIT Jammu, INDIA	Session Chair	Dr. Ravi Kumar Arun, IIT Jammu, INDIA
Session Co-Chair	Prof. R. K. Gupta, DCHED, TIET, Patiala, INDIA	Session Co-Chair	Prof. H. Bhunia, DCHED, TIET, Patiala, INDIA
14:30-15:00	Keynote 5: Jhumma Sadhukhan, University of Surrey, UK Title: Build biorefineries and let the natural world drive the economy	14:30-15:00	Keynote 6: Prof. Anil Verma, IIT Delhi, INDIA Title: Electrochemical Energy Conversion and Storage Technologies
15:05-16:05	Oral 1-4 (10 min each)	15:05-16:05	Oral 5-9 (10 min each)
	Paper ID: 32; "Performance analysis of hybrid solar desalination system with thermal storage materials at different water depth"; Authors: Mukesh Kumar, Dhananjay Singh, Suresh Kumar Patel, Ravi Kumar Sonwany,Balendu Shekher Giri,Sunita Singh		Paper ID: 19; Hydrogen Embrittlement: Mechanisms, Impacts, and Remedial Measures; Authors: Deepak Juneja, Satish Kumar Sharma
	Paper ID: 98; Intensified production of levulinic acid as the building block from the sugars; Authors: Ketaki S. Nalawade, Parag R. Gogate		Paper ID: 28; An Investigation for Malathion Pesticide Detection Using Pure Cu Electrode Leading to Electrochemical Sensor; Authors: Ashirbad Khuntia, Madhusree Kundu, Kamalakanta Mahapatra, Adhidesh Kumawat
	Paper ID: 101; Fabrication and Characterization of Shape-Stable Composite Phase Change Materials Supported by Biomass-Derived		Paper ID: 45; Advancing Sustainable Solutions: Harnessing Polyaniline/BiOCl/GO Ternary Nanocomposites for Solar-Powered

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	Activated Carbon for Energy Storage.; Authors: Sheetal Sharwan, Bidyut Mazumdar, and Prerana Sikarwar		Degradation of Organic Pollutant and Photocatalytic Hydrogen Generation; Authors: Pritam Hait, Rajeev Mehta, Soumen Basu
	Paper ID: 206; An experimental study of the performance of passive type single basin double slope solar still; Authors: Mukesh Kumar, Suresh Kumar Patel, Dhananjay Singh, Vinay Mishra, Avinash Chandra, Balendu Shekher Giri, Sunita Singh		Paper ID: 70; Synthesis and Characterization of Biomass Derived Activated Carbon-Based Sulfur Cathode for Lithium Sulfur Batteries; Authors: Sakshi Tiwari, A. K. Poonia, Dharm Pal
	Paper ID: 145; Bio-based Surfactant from Biofuels: Production and optimization using Response Surface Methodology; Authors: Neha Rawat, Aman Kumar Bhonsle, Parvez Alam, Serges Bruno Lemoupi Ngomade, Tushar Agarwal, Raj Kumar Singh, Neeraj Atray		Paper ID: 112; Development of composite biohydrogels using gellan gum and glucomannan, and their potential application in sustainable agriculture and controlled release of bioactives in the gut.; Authors: Somnath Basak, Rekha S. Singhal
16:05-16:25	Tea break (20 min)		
16:25-17:15	Poster Session-1 (LT Block-First Floor)		
Session Chair	Dr. Mrunalini Gaydhane, BITS, Goa, INDIA		
Session Co-Chair	Dr. Diptiman Choudhury, DSCBC, TIET, Patiala, INDIA		
16:25-17:15	Poster (1-14)	16:25-17:15	
	Paper ID: 7; Efficiency of bacteria source for bio-stabilization of soil; Authors: Shagun Ishara, Aditya Parihar, and M.S. Reddy		Paper ID: 31; g-C3N4 loaded Bimetallic bismuth oxide nanocomposite for photocatalytic degradation of toxic pollutants.; Authors: Priti Rohilla, Dr. Bonamali Pal, Dr. Raj Kumar Das
	Paper ID: 8; Core-shell structure of reduced graphene oxide@Ag-TiO2 for photocatalytic H2O splitting and CH3OH dehydrogenation under UV light irradiation; Authors: Shikha Rani, Satnam Singh, Bonamali Pal		Paper ID: 43; Effect of nano-modified epoxy on the bond behavior of old-new concrete interface; Authors: Mandeep Kaur, Dr. Himanshu Chwala and Dr. Naveen Kwatra
	Paper ID: 9; Comparison of machine learning models to predict the phase equilibrium of N2-CO2 system for cryogenic carbon capture; Authors: Emel V Kurian, Pavitra Sandilya		Paper ID: 115; Heterogeneous Mn3O4/CuO Interface for Boosted Oxygen Evolution Reaction: A Comprehensive Study; Authors: Sachin Pundir, Abhishek Chandel, Piyush Sharma, O.P. Pandey
	Paper ID: 11; Optimal selection of energy storage medium for cryogenic energy recovery using a multicriteria-based decision analysis; Authors: Chamarthi Bharat Surya, Pavitra Sandilya		Paper ID: 116; Bacterial Ingenuity: Synthesis of Rhamnolipid Biosurfactant Utilizing Glucose as a Growth Enhancer and Waste Engine Oil as Economical Substrates by a Non-Pathogenic Bacterium; Authors: MOHAN JUJARU AND DR. AMIT JAIN
	Paper ID: 15; Detection of H2S Gas Using Metal-Decorated and Metal-Doped Graphene Using Density Functional Theory; Authors: Diya Mehta and Robin Singla		Paper ID: 117; Beyond Graphene: Novel Perspective on 2D MBene structure; Authors: Monika, Piyush Sharma, and O.P. Pandey
	Paper ID: 17; Agro-Food Waste-Derived Bioglasses: Engineered Structures for Optimal Bone Regeneration; Authors: Navneet Kaur Mattu, Kulvir Singh		Paper ID: 119; Antibacterial activity investigation of ZnO-Ag nanocomposites prepared by thermal decomposition method against E. coli and S. aureus; Authors: Rahul Goyal, Partha Roy, P. Jeevanandam

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	Paper ID: 25; Synthesis and application of bio-adsorbent for the removal of Tetracycline (TTC) antibiotics from its aqueous solution: A Equilibrium kinetic and thermodynamic study; Authors: Ashutosh		
19:00-22:00	Conference/Gala Dinner		
Day 2: February 23, 2024			
8:30-9:00	Registration (LT-201)		
Session-4: Parallel Technical Sessions (LT-201)		Session-5: Parallel Technical Sessions (LT-202)	
	Theme: Materials in Engineering (MAT)	Theme: Sustainable Environmental Solutions (SES)	
Session Chair	Dr. Sarang P. Gumfekar, IIT Ropar	Session Chair	Dr. Manish Kumar Dhiman, NIT Hamirpur, INDIA
Session Co-Chair	Dr. Amit Dhir, DEE, TIET, Patiala, INDIA	Session Co-Chair	Prof. Anoop Verma, DEE, TIET, Patiala, INDIA
9:00-9:30	Keynote 7: Dr. Prasun Roy, CFEES, DRDO, Delhi, INDIA Title: Protective coating for mitigation of blast effects	9:00-9:30	Keynote 9: Prof. V.C. Srivastava, IIT Roorkee, INDIA
9:35-10:05	Keynote 8: Dr. Bhanu P. Singh, NPL, Delhi, INDIA Title: Carbon Nanotube Macroassemblies for Engineering Applications	9:35-10:05	Keynote 10: Prof. Chinmay Ghoroi, IIT Gandhinagar, INDIA Title: Impact of Atmospheric Particulate Matter on Energy Transition: Demystifying Solar PV Soiling Loss and its Mitigations
10:05-11:05	Oral 10-14 (10 min each)	10:05-11:05	Oral 15-19 (10 min each)
	Paper ID: 21; Synthesis of Coal-derived Graphene oxide and its Application in Glass-fiber based Polymer Composites for Improved Mechanical Performance; Authors: Anushka Garg, Soumen Basu, Rajeev Mehta, Roop L. Mahajan		Paper ID: 70; Synthesis and Characterization of Biomass Derived Activated Carbon-Based Sulfur Cathode for Lithium Sulfur Batteries; Authors: Sakshi Tiwari, A. K. Poonia, Dharm Pal
	Paper ID: 69; Fabrication and characterization of graphene-reinforced MMC by FSP for Lightning Strike Protection of aircraft; Authors: Anoop Singh, Dr Satish Kumar Sharma, Dr. Ajay Batish		Paper ID: 89; Development of epoxy/flyash composites containing Halloysite nanotubes: Thermal stability analysis and degradation kinetic; Authors: Abrar, Ahamad, Pradeep Kumar, Brajesh Kumar
	Paper ID: 73; State-of-the-art review on Rheology of Styrene-Butadiene-Styrene modified bitumen; Authors: Shubham Bansal, Vivek Gupta, Tanuj Chopra, Rajeev Mehta		Paper ID: 99; Alkaline extraction of phenolics from rice straw and their characterization; Authors: Harmeet Kaur, Dinesh Goyal
	Paper ID: 91; Styrene-Butadiene-Styrene polymer modified bitumen: A review on compatibility and physico-chemical properties; Authors: Shubham Bansal, Vivek Gupta, Tanuj Chopra, Rajeev Mehta		Paper ID: 100; Optimizing p-Nitrophenol (PNP) Degradation with Iron-Doped Bismuth and Tungsten Photocatalyst: Exploring Water Matrix Effects for Enhanced Performance; Authors: Manmeet Kaur, Dr. Amit Dhir, Dr. Shilpi Verma
	Paper ID: 93; Development and thermomechanical analysis of hybrid epoxy nanocomposite reinforced with reduced graphene oxide and HNT; Authors: Archana Arya, Pradeep Kumar, Avinash Chandra		Paper ID: 113; Synthesis of degradable copolymer through chemical sequestration of carbon dioxide using salcomine complexes.; Authors: Akanksha Ranade, Prof. Rajeev Mehta, Prof. Amjad Ali
11:05-11:25	Tea break (20 min)		
Session-6: Parallel Technical Sessions (LT-201)		Session-7: Parallel Technical Sessions (LT-202)	

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Theme: Modeling and Simulation of Processes (MSP)		Theme: Sustainable Environmental Solutions (SES)	
Session Chair	Dr. Neelkanth Nirmalkar, IIT Ropar, INDIA	Session Chair	Dr. Shushil Kumar, MLNIT, Allahabad, INDIA
Session Co-Chair	Prof. S. K. Ahuja, DCHED, TIET, Patiala, INDIA	Session Co-Chair	Prof. D. N. Ratha, DCED, TIET, Patiala, INDIA
11:25-11:55	Keynote 11: Prof. Amit Dhiman, IIT Roorkee, INDIA; <i>Title: Computational Fluid Dynamics with Case Studies</i>	11:25-11:55	Keynote 12: Dr. Snadip Patil, E-Spin NanoTech, Kanpur, INDIA; <i>Title: Nanofiber Technology & its Commercial Applications: Future Start-Ups</i>
12:00-13:40	Oral 20-28 (10 min each)	12:00-12:30	Keynote 18: Prof. P. R. Gogate, ICT Mumbai, INDIA <i>Title: Intensified production of biofuels from sustainable raw materials using ultrasonic reactors</i>
	Paper ID: 62; Aqueous Two-Phase Flow Dynamics in Millichannels; Authors: Joseph Abhisheka Rao B, Babajan Bakhtar Khan, Sunil Kumar Thamida, Anil B. Vir	12:35-13:40	Oral 29-33 (10 min each)
	Paper ID: 76; Mixed convective viscous dissipative flow of Casson hybrid nanofluid with variable thermal conductivity at the stagnation zone of a rotating sphere.; Authors: Tanvi Singla, Bhuvaneshvar Kumar, Sapna Sharma		Paper ID: 142; Fabrication and characterization of cost-effective ceramic membrane utilizing; Authors: Sandhya Khatri, Abhishek Keshav Sharan Saxena, A.B. Soni
	Paper ID: 78; Numerical Investigations on the hydrodynamic force for a Janus Cylindrical particle; Authors: Manish Dhiman		Paper ID: 147; Fungi-based Microbial Fuel Cells (MFCs) an alternative source of energy and waste management; Authors: Vaanie Godbole, Pankaj Gautam, Avinash Sharma, Manoj Kumar Pal
	Paper ID: 80; Numerical investigation on an in-line array of trimmed annular finned tubes for weight reduction in a crossflow heat exchanger; Authors: Mohit Raje, Amit Dhiman		Paper ID: 160; Utilizing Kapok seed for Mn (II) removal from synthetic wastewater solution through adsorption; Authors: Mansi Sahu, V.K. Singh
	Paper ID: 84; Identification of uniform thermodynamic equilibrium in tetrahedral liquids at liquid-liquid phase transition temperature; Authors: Arvind K. Gautam		
	Paper ID: 183; Forced Convection heat transfer from confined circular/ semi-circular heaters and coolers with various orientations; Authors: Rajvinder Kaur, Sapna Sharma, Avinash Chandra		Paper ID: 176; Treatment Of Textile And Pharmaceutical Wastewater Using Low-Cost Adsorbents For Single And Multi-Component Systems"; Authors: Umesh Kumar, Kesheo Prasad
	Paper ID: 221; Effects of viscous dissipation, temperature dependent thermal conductivity and local thermal non-equilibrium on the heat transfer in a porous channel to Casson fluid; Authors: Rajvinder Kaur, Sapna Sharma, Avinash Chandra		Paper ID: 196; Advance Corrosion Resistant Coatings In Recent Era: A Review of Advances And Perspectives; Authors: Sonika Lamba ¹ , Rajendra Vishwakarma*
	Paper ID: 209; Study of phase change materials in a spherical enclosure under periodic boundary conditions: Applications in thermal energy storage and heat management systems; Authors: Tanvi Singla, Sapna Sharma, Bhuvaneshvar Kumar, Avinash Chandra		
	Paper ID: 223; Use of spent ballast as a column material for enhancing load carrying capacity of soft clay bed: Numerical		

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	Analysis; Authors: Srijan , Pooja Kharra , Kevin Somra , Gautam Narula, Aditi Sharma		
13:40-14:30	Lunch break		
Session-8: Parallel Technical Sessions (LT-201)		Session-9: Parallel Technical Sessions (LT-202)	
Theme: Applied Radiation Technology (ART) & Materials in Engineering (MAT)		Theme: AI, Machine Learning, and Data Analytics in Process Design/Optimization (AML)	
Session Chair	Prof. Amit Dhiman, IIT Roorkee, INDIA	Session Chair	Dr. Chandi Sasmal, IIT Ropar, INDIA
Session Co-Chair	Prof. B. C. Mohanty, DPMS, TIET, Patiala, INDIA	Session Co-Chair	Prof. S. S. Mallick, DME, TIET, Patiala, INDIA
14:30-15:00	Keynote 13: Dr. Rajesh K. Upadhyay, IIT-BHU, Varanasi, INDIA Title: Radioactive Particle Tracking Technique and Its Application on Different Multiphase Flow Reactors	14:30-15:00	Keynote 14: Prof. Kishalay Mitra, IIT Hyderabad, INDIA; Title: Scope of Machine Learning in Chemical Process Systems Engineering
15:05-16:15	Oral 34-39 (10 min each)	15:05-16:15	Oral 40-44 (10 min each)
	Paper ID: 123; Surface modification of titanium alloy using graphene oxide for biomedical applications; Authors: Pawandeep kaur, Jyotsana Mehta, Dinesh Goyal		Paper ID: 42; GUI development for Data Treatment in Radiotracer based RTD Analysis of Industrial Pulp digesters using Data Science; Authors: Vibhuti Sharma, Avinash Chandra, Sharad Saxena, Anu Bajaj
	Paper ID: 139; Fabrication and characteristic analysis of Graphene oxide-based Humidity sensor with an aspect for moisture sensing in transformer oil; Authors: Vikash Ranjan, Shailesh Kumar, Prasenjit Basak		Paper ID: 44; Prediction of Residence Time Distribution (RTD) models using Machine Learning Techniques for Continuous Flow Pulping Digester; Authors: Vibhuti Sharma, Sharad Saxena, Avinash Chandra, and Anu Bajaj
	Paper ID: 181; Synthesis and characterization of novel crystalline polyaniline/Kaolin composite; Authors: Vineeta gautam, Umesh kumar, Kesheo Prasad		Paper ID: 203; "ENELP: An Ensemble Node Embedding based Link Prediction in Protein-Protein Interaction Networks by Attributed Graph Embedding"; Authors: Mukesh Kumar, Dharmendra Kumar, Sushma Kumari, Biswajit Sahoo
	Paper ID: 177; Synthesis of nano membranous composite material based on Polyaniline/MWCNTs/Cellulose acetate for selective electrochemical detection of Ascorbic Acid and Catechol"; Authors: Vineeta Gautam, Umesh Kumar		Paper ID: 79; Blockchain Technology: Catalyzing Sustainability in Chemical Industry Processes and Practices; Authors: Sonal Saxena, Seema Bawa, Rajiv Kumar
	Paper ID: 111; Comparative study on various length scale and chirality of single walled carbon nanotubes by using molecular simulation approach; Authors: Arvind K. Gautam, Rahul Saha, and Manish Kumar Dhiman		Paper ID: 30; LiFi over WiFi as a viable and health cognizant indoor Communication Technology; Authors: Anushka, Dr. Sharad Saxena, Dr. Rajesh Kumar
	Paper ID: 137; Soft, flexible and skin-compatible electrodes for monitoring electrophysiological parameters; Authors: Sunita Mehta, Purva Singal, Sunita Mishra		
16:15-16:35	Tea break (20 min)		
16:35-17:15	Poster Session-2 (LT Block-First Floor)		
Session Chair	Dr. A. K. Tiwari, Dr. BRANIT, Jalandhar, INDIA		

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Session Co-Chair	Dr. Vivek Gupta, DCED, TIET, Patiala, INDIA		
16:35-17:15	Poster (14-27)	16:35-17:15	Paper ID: 138; Sustainable Integration of Rice Stubble Biochar in Cementitious Composites: A Novel Approach to Mitigate Stubble Burning Impact; Authors: Sarmad Rashid, Dr. Arpit Goyal, Dr. A.B Danie Roy, Dr. Manpreet Singh
	Paper ID: 120; Artificial Intelligence: scope and demand in Bioprocess; Authors: Naincy Tiwari, Dr. Anand Kumar Pandey		Paper ID: 180; A Green approach towards synthesis and waste management of Biological MOF for drug delivery applications; Authors: Khushboo Yadava, Pawan Kumar
	Paper ID: 121; Microbial Engineering:A Boon to Enhance Food Sustainability; Authors: Prachi Paharwar		Paper ID: 187; Waste to Wealth: Carbon coated ZrSiO4 Nanocomposites from Recycled Plastic and natural Zircon For oxygen Evolution Catalysis; Authors: Abhishek Chandel and O P Pandey
	Paper ID: 122; Bioelectrochemical systems can reduce antibiotic-resistant bacteria in soil ecosystems: Emerging approaches for soil remediation; Authors: Sakshi Singh		Paper ID: 213; A comprehensive study on rooftop rainwater harvesting and post-harvest treatment using Acoustic and Hydrodynamic Cavitation; Authors: Aniruddha Pandit, Ketan Desai
	Paper ID: 124; Artificial Intelligence: role and significance in pathway designing; Authors: Dr. Anand Kumar Pandey, Alsaifiya Choudhary		Paper ID: 217; Synergetic Effect of Self-Healing Tung-Oil Microcapsules with Nano-Clay in Epoxy Coatings for Corrosion Inhibition; Authors: Nikhil Sharma, Dr. Shruti Sharma, Dr. Sandeep Kumar Sharma, Dr. Rajeev Mehta
	Paper ID: 125; Bioprocess Industries: The Future with AI/ML and Data Mining; Authors: Rudrakshi Mishra, Anand Kumar Pandey.		
	Paper ID: 132; Approaches for The Synthesis of Silicon Nanoparticles; Authors: Ravinder Pal Singh and Mohit Agarwal		
	Paper ID: 134; Sustainable trends in the development of firefighting foam; Authors: Pragya Malik, Durgesh Nandini, Bijay P. Tripathi		
Day 3: February 24, 2024			
8:30-9:00	Registration (LT-201)		
Session-10: Parallel Technical Sessions (LT-201)		Session-11: Parallel Technical Sessions (LT-202)	
Theme: Chemical & Process Engineering (CPE)		Theme: Bioprocess and Food Engineering (BFE)	
Session Chair	Dr. A. K. Gautam, NIT Hamirpur, INDIA	Session Chair	Dr. R. K. Arya, Dr. BRANIT, Jalandhar, INDIA
Session Co-Chair	Dr. Rakesh Gupta, DCHED, TIET, Patiala, INDIA	Session Co-Chair	Dr. Sapna Sharma, DOM, TIET, Patiala, INDIA
9:00-9:30	Keynote 15: Dr. Sachin Kimar, SSS-NIBE Kapurthala, INDIA Title: R&D Advancement in Biogas Technology for Sustainable Development	9:00-9:30	Invited Talk 2: Manish K Dhiman, NIT Hamirpur, INDIA Title: Modelling of Gas Explosion: #Hydrogen
9:35-10:05	Keynote 16: Prof. S.K. Kansal, SSBSCT PU Chandigarh, INDIA Title: Industrial and Municipal Wastewater- Generation and Treatment	9:35-10:05	Invited Talk 3: Dr. Ashutosh Yadav, IIT Jammu, INDIA Title: Machine Learning-based CFD Modeling of Multiphase Reactors
10:10-10:30	Invited Talk 1: Dr. S. K. Behera, VIT Vellore, INDIA	10:05-12:00	Oral 53-61 (10 min each)

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	<i>Title: Industrial Symbiosis – An excellent platform for decoupling industrial growth from environmental degradation</i>		
10:35-12:00	Oral 45-52 (10 min each)		Paper ID: 67; Effect of Drying on Extraction of Anthocyanins from Syzygium cumini (Jamun); Authors: Amritpreet Kaur, Darshanjot Kaur, Ovais Shafiq Qadri
	Paper ID: 24; Study of Interaction of Serum Albumin with Pharmacological Drugs Using Isothermal Titration Calorimetry Technique; Authors: Vani Arora, Apoorva Pathania, Harmandeep Kour, Anu Radha Pathania		Paper ID: 95; Atmospheric plasma mediated quality changes in finger millet starch and its mechanism; Authors: Parinder Kaur, Prof Uday S. Annapure
	Paper ID: 83; Ultrasound-assisted cooling crystallization of ciprofloxacin; Authors: Yagna S. Hirpara, Parag R. Gogate		Paper ID: 110; Extraction of mango (Mangifera indica) seed kernel starch: Process optimization for extraction using response surface methodology (RSM) and its comparative characterization with commercial corn (Zea mays) starch.; Authors: Bharat Singh Irom, Uday S. Annapure , Jyoti S. Gokhale
	Paper ID: 94; Unlocking the potential of cashew apples: Bioactives preservation and kinetic modelling; Authors: Vikramaditya R. Shirsat; Prakash D. Vaidya; Vishwanath H. Dalvi; Rekha S. Singhal; Anil K. Kelkar; Jyeshtharaj B. Joshi		Paper ID: 103; "Determination of the bovine serum albumin subjected to microwave interaction by liquid chromatography-tandem mass spectrometry"; Authors: Dr. Sushma Kumari, Mr. Dharmendra Kumar, Dr. Sunil Kumar Singla
	Paper ID: 170; Greener Production of Styrene via Low-Temperature Dehydration of Phenethyl Alcohol over Co-Supported P/ZrO ₂ ; Authors: Neha Dhiman		Paper ID: 157; Biosurfactant Production by free and immobilized cells of P.aeruginosa using waste engine oil; Authors: Mohan Jujaru, Kajol Pradhan, Shailee Gaur, Sushil Kumar and Amit Jain
	Paper ID: 28; An Investigation for Malathion Pesticide Detection Using Pure Cu Electrode Leading to Electrochemical Sensor; Authors: Ashirbad Khuntia, Madhusree Kundu, Kamalakanta Mahapatra, Adhidesh Kumawat		Paper ID: 12; A Technical Analysis of Biofuel Production from Dairy Waste Sludge for Sustainable Environment; Authors: Rohit Pathak, Sandeep Singh, Inderpreet Singh Ahuja
	Paper ID: 218; Computational evaluation of optimum tumor size-dependent MNP dose for realistic breast tumor models with different injection strategies in magnetic hyperthermia; Authors: Sandeep Nain, Dr. Neeraj Kumar, Dr. Pramod Kumar Avti		Paper ID: 220; Comparative analysis on the effect of aeration and agitation on quality and quantity of algal biomass for its further valorization to value-added products; Authors: Bimalpreet Singh, Amit Dhir and Prangya Ranjan Rout
	Paper ID: 175; Techno-economic analysis for the innovative process of pre-treatment of paddy straw for biofuel production; Authors: Lalitha Shree, Dr. Anurag K. Tiwari, Dr. Sachin Kumar		Paper ID: 149; Impact of Different Preprocessing Treatments on The Germination of Bottle Gourd Seeds for the Application of Hydroponic; Authors: Pranav Prakash Dr.Mohit Agarwal Dr.Amit Munjal

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	Paper ID: 150; Characterization and Morphological study of foulant in water-cooled heat exchanger of a fibre manufacturing industry; Authors: Gursimranjot Singh Mavi, Dr. Vineet Srivastava, Dr. Anoop Verma		Paper ID: 193; Effects of recycled SAW slag and the process parameters on the chemistry of stainless steel claddings; Authors: Jatinder Garg, Sonu Bala Garg, Kulwant Singh, Sunil Kumar Singla
12:00-12:20	Tea break (20 min)		
12:25-13:00	Valedictory Session (LT-201)		
13:00-14:00	Lunch break		