

PARALLEL SESSION – IV

GCET : Green Chemistry Engineering & Technology

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-1

1	GT/0007	Durgesh Pratap, Shailendra Sinha And Dhananjay Singh PERFORMANCE OF DUAL CHAMBER MICROBIAL FUEL CELL
2	GT/0008	Srikanta Dinda, Prakash Purswani, Bhavana Vijay And R. B. Adusu Malli DEVELOPMENT OF BIO-BASED POLYMER FROM NAHOR OIL
3	GT/0009	Yug Saraswat, Nikita Chokshi Bioethanol: Overcoming Obstacles And Discussing Present And Future Prospects It Holds For India
4	GT/0010	Sonal, K.K. Pant, Sreedevi U. Effect Of Composition Of Bimetallic Fe-Co Catalyst On The Activity And Selectivity Of The Fischer Tropsch Synthesis Process
5	GT/0011	S. Sharma, A. Gautam, S. Gautam The Dissolution Of Copper From Spent Low Temperature Shift Catalyst Using Chelating Agent
6	GT/0013	Pratik Choudhary , Neha Oswal, Nikita Chokshi Study Of Dye Waste Water Degradation Using Fenton And Photo Fenton
7	GT/0014	Srishti Bhuwania, Vanila Mehta, Nikita Chokshi Cassava Bioplastic: A Step Towards Sustainability
8	GT/0019	Patel Pooja, Suresh Mythilypriya, Sharma Poonam, Saxena Parag, Saxena Priya A Review On Application Of Supercritical Carbon Dioxide As A Green Solvent
9	GT/0021	Ankita Verma, Ankur Pandey, R. Manivannan Corrosion Inhibition Of Mild Steel In Nitric Acid Using Glycine (Gly) As Green Corrosion Inhibitor
10	GT/0024	Prashant Jadhao, Garima Chauhan, K. K. Pant, K. D. P. Nigam Extraction Of Metal From E-Waste : A Path To Green Economy
11	GT/0025	Maulik Patel, Sharad Suvagiya, Binoy Shah, Priya Saxena Use Of Pigments Derived From Microbial Sources As A Substitute For Synthetic Colors
12	GT/0027	Ramesh Kumar, Parimal Pal Experimental Investigation On Separation Of L-Glutamic Acid From Fermentation Broth By Nanofiltration
13	GT/0029	Karan D. Dewoolkar, Prakash D. Vaidya Sorption Enhanced Reforming Of Methane Using Hydrotalcite And Calcium Based Sorbents
14	GT/0030	Muralidharan N G, J Ranjitha, R Pattabiraman Kinetics Of Biodiesel Production From Rapeseed Oil Using Nano Magnesium Oxide Catalyst

PARALLEL SESSION – IV

NT : Nano Technology

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-2

1	NT/0052	Ajit Das, Soubhik Kumar Bhaumik, Rick Sundar Wettability Over Superhydrophobic Surface
2	NT/0053	Vikky Anand, Sanjay Gautam , Vimal Chandra Srivastava Synthesization And Characterization Of Zinc Nanoarticles By Electrochemical Process
3	NT/0054	Nidhi H. Shah, S. T. Mhaske Synthesis & Characterization Of Ceo ₂ /Zno Core-Shell Nanoparticles
4	NT/0055	Sachin Pal, Rupesh Singh, Sri Sivakumar , Deepak Kunzru Effect Of Sodium On Hydrodesulfurization Activity Of Ni-Mo/G-Al ₂ O ₃ Nanocatalyst Synthesized Via Reverse Micelles
5	NT/0058	Meena Prajapati, Rajeev Kumar Dhohare, Kailash Singh A Review On Thermal Conductivity And Heattransfer Enhancement For Nanofluids
6	NT/0061	Nishant Srivastava,And Mausumi Mukhopadhyay Photocatalytic Degradation Of 2, 4 Dichlorophenol Using Biosynthesized Sno ₂ Nanoparticles
7	NT/0064	Biswajit Debnath, Alivia Mukherjee Application Of Nanotechnology In Water Purification: A Review
8	NT/0065	Rohan P. Choksi Review On Advancement And Future Opportunities For Nanotechnology In Pigment Industry
9	NT/0066	Deepak Parmani, Oshin Dipani , Varun Ganatra, Alpana Mahapatra E-Dog For Explosive Detection
10	NT/0067	T.G.Anjali , Madivala.G.Basavaraj Three Phase Contact Angle Measurement Of Shape Anisotropic Hematite Particles Using Gel Trapping Technique
11	NT/0072	Meghana Sesetti, Mohammed Mohtashim Hadi Titanium Dioxide A Super Nano Material In Treatment Of Waste Water
12	NT/0073	Bappaditya Chatterjee,Subhankar Bandyopadhyay, Pooja Nag, Amitava Bandyopadhyay Development Of Ammonia Gas Sensor By Pbs Nanao-Material
13	NT/0101	Navjot Kaur Application Of Nanofluids In Solar Energy: A Review

PARALLEL SESSION – IV

AT: Adsorption technology & TS: Transfer Process

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-3

1	AT/0009	Shivendu, Swati Srivastava, Dr. S. K. Gupta Removal Of Dyes By Adsorption Process Using Activated Charcoal
2	AT/0010	A. Samanta, N. Mittal, J. Segurac, P. Sarkar, R. Gupta Carbon Dioxide Capture Using Structured Bed Loaded With Functionalized Sorbent
3	AT/0011	Utkarsh Maheshwari, Kuldeep Kuhar, Suresh Gupta Equilibrium Studies For The Removal Of Cr(VI), Cu(VI) And Zn(II) Using Activated Neem Bark
4	AT/0013	K.Saranya, M. Thirumarimurugan, V. M. Sivakumar, M. Suhanya, S. Gowthami Comparative Studies On Removal Of Hexavalent Chromium Using D.Regia, S.Indica Leaves As A Biosorbent By Immobilization And Without Immobilization Technique In Batch
5	AT/0014	Yogesh A Landge, Ramesh S Bhande Experimental Study Of Polymer Adsorption On Hydrophilic Surface Using Quartz Crystal Microbalance
6	AT/0015	Ramesh S Bhande, Vinay A Juvekar Study The Viscoelastic Properties Of Polyethylene Oxide Film Using Equivalent Circuit Model
7	AT/0017	Niharika Dutt, Dr. S.S Sambhi Adsorption Of Chromium On Walnut Shell And Almond Shell Activated Carbon
8	AT/0018	Aditya Anand, Abdul Qudoos, Sarita Kalla Removal Of Methylene Blue From Aqueous Solution Using Mango Leaves
9	AT/0020	Deepshikha Singh, Paras Nlohia Adsorption Of Basic Dye Onto Raw Agricultural Waste Mango Seed Kernel Powder
10	dd6/0006	Neha Kanodia And M. Kamil Experimental Study Of Pluronic F127 Monolayers At Air- Water Interface
11	TS/0002	B. Lalita, A. Haripriya, P. Kalpana, P. Mythili Augmentation Of Sewage Treatment Plant Using Uasbr
12	dd6/0019	Bhavesk Kumar, Ratan Mohan Characterization Of Powder On The Basis Of Physical And Flow Properties
13	dd6/0001	Vibha Verma Deshmukh, Neeraj Chandrakar, Vishnu P. Yadav GUL (TOBACCO PRODUCT) MANUFACTURING, ANALYSIS ITS COMPONENTS BY DIMETHYL FORMAMIDE USING SPECTROPHOTOMETER

PARALLEL SESSION – IV

PM: Process Modeling And Simulation

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-4

1	PM/0034	Abhinav Saikia, Abdur Rahman, Vikranth Kumar Surasani Numerical simulation of reservoir souring and bio remediation during crude oil extraction using Perchlorate and Chlorate
2	PM/0035	Arushee Garg, Utkarsh Maheshwari Modeling Of The Temperature Distribution Profile In Horizontal Well Drilling
3	PM/0037	Tarun Singh, Munawar A. Shaik Energy Aware Scheduling Of Distributed Systems
4	PM/0038	Neha Madan, Shashi Kumar Modelling Study To Maximize Dimethyl Ether Production Through Reversible Series Reaction
5	PM/0039	Mallaiah Mekala, Venkat Reddy Goli Modeling And Simulation Of Reactive Distillation Column For Methyl Acetate Production In Presence Of Ion-Exchange Resin Catalyst
6	PM/0040	K.S. Gandhi Role Of Electrical Resistance Of Electrodes In Modeling Of Discharging Of Flooded Lead Acid Batteries
7	PM/0042	Atul H. Bari and Aniruddha B. Pandit On The Solution Of Complex Population Balance Equations Using Gproms
8	PM/0043	Bikash Kumar Mondal, Prathamesh Joshi, Amar Nath Samanta, Syamalendu S. Bandyopadhyay Vapour-Liquid Equilibrium Of Co ₂ In Aqueous Mixture Of Hexamethylenediamine And Sulfolane
9	PM/0046	Ritesh Ramesh Palkar, Vidyasagar Shilapuram Modeling Of A Liquid-Solid Circulating Fluidized Bed Using Statistical Design Approach
10	PM/0048	Sabihat Jabeen and Mohd. Danish Simulation Axial Dispersion Model Of An Adsorption Column
11	PM/0050	R. D. Khonde, A. S. Chaurasia Estimation And Optimization Of Kinetic Parameters Of Rice Husk And Sugarcane Bagasse Pyrolysis
12	PM/0051	Stutee Bhoi, Maheswata Lenka, Debasis Sarkar Population Balance Modelling Of Unseeded Batch Cooling Crystallization Of L-Asparagine Monohydrate
13	PM/0052	M. Shuaib Ahmed, D. Kotaiah Naik, B. Satyavathi, D. Appala Naidu Simulation Of Co-Gasification Of Coal And Karanja Biomass To Produce Syngas In Fluidized Bed Gasifier: Sensitivity Analysis Using Aspen Plus
14	PM/0053	Priyanka.Nemani, Madhusree.Kundu Simulation Of Continuous Stirred Tanks Using Block Pulse Functions

PARALLEL SESSION – IV

CR: Chemical Reaction Engineering

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-5

1	CR/0024	Ankit Jain, Devavrat Thosar, Anurag Mehra, Vivek Ranade Critical Study Of Miura Maki And Isoconversional Methods To Calculate Kinetic Parameters From Tga Data
2	CR/0025	Nikesh Kumar and Renu Gupta Kinetics and Isotherms Studies for Adsorption of Safranin O Dye on Neem (<i>Azadirachta indica</i>) Leaves
3	CR/0027	Gaurav Rattan, Maninder Kumar Oxidation Of CH_4 On Perovskites Catalyst
4	CR/0029	M.Radhakumari, B.Satyavathi Experimental study on intra-particle transport effect in nitration of toluene using solid acid catalyst
5	CR/0030	Debalaxmi Pradhan, R.K Singh Co-Pyrolysis Of Biomass And Plastic: An Optional Method To Obtain A High-Grade Pyrolysis Oil
6	CR/0032	Priya Meena, Lovleen Sharma, K. D. P. Nigam and Shantanu Roy Effect Of Inversion In Flow Through Coiled Tubes
7	CR/0033	Aakarsha Srivastava, Shantanu Roy, K.D.P. Nigam 2-Dimensional Study Of Local Voidage Variation In A “Non-Uniformly Packed” Trickle Bed Reactor
8	CR/0037	Shireesha M, Reddi Kamesh, K Yamuna Rani Kinetic Study Of Esterification Of Acetic Acid With Ethylene Glycol Using Para Toluene Sulfonic Acid (PTSA) Catalyst
9	CR/0038	Satyansh Singh, Biswajit Kamila, Parthapratim Gupta and Anup Kumar Sadhukhan 2-D Modeling Of Torrefaction Of Large Biomass Particles
10	CR/0042	Deepak Kumar, Atul Kumar, Goutam Deo Effect of contact time on enhancement for CO_2 hydrogenation reaction by supported Ni and Ni-Fe catalyst
11	CR/0044	SVN Ayyappa, M.Balamurugan, Shekhar Kumar, U.Kamachi Mudali and R.Natarajan Residence Time Distribution (RTD) analysis of a 50mm dia Centrifugal Extractor
12	CR/0045	Sandhya Mishra, Amrita Pathak, R. Prasad Total Air Oxidation Of Toluene Over Cu/Cz/Al ₂ O ₃ Catalyst
13	CR/0048	Saurabh Yadav, Dr. Neeru Anand, Dinesh Kumar, Neha Pal Catalytic Cracking Of <i>Jatropha Curcusa</i> Oil To Liquid & Gaseous Hydrocarbons: Optimization Studies Through Design Of Experiments
14	CR/0047	Neha Pal, Saurabh K yadav, Neeru Anand, Dinesh Kumar Investigation of Oleic acid Catalytic Cracking in a Fixed Bed Reactor to Produce Transportation Grade Liquid Fuel
15	dd6/0010	Machhindra S. Bhalerao <i>In-Situ</i> Epoxidation Of Karanja Oil (<i>Pongamia Glabra</i>) By Using Sonochemical Reactors

PARALLEL SESSION – IV

ES: Environmental Science And Engineering

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-6

1	ES/0065	Dhananjay Singh&DurgeshPratap Drinkingwater production through solar distillation
2	ES/0067	Ishanee Chauhan PriyaSaxena Varioustertiary treatment techniques for textile wastewater reuse
3	ES/0070	V.Saravanan, M.Rajasimman&N.Rajamohan Assessment of two packed bed biofilter for the removal of ethylacetatevapour using transient operating conditions
4	ES/0072	Siddhant Patel, Sandip Sharma, JayeshRuparelia Degradationof reactive black 5 by Ozone,Ozone/UV And Ozone/UV/Persulfate
5	ES/0073	Bhargav Mehta, Nikita Chokshi, J. P. Ruparelia A cerium oxide supported on activated carbon for catalytic ozonation of reactive black-5
6	ES/0074	Abhimanyu K. Yadav, Prakash D. Vaidya Hydrogen production from steam reforming of butanol over Ni/Al ₂ O ₃ catalyst
7	ES/0075	SonaliBhattacharjee, MoizBookwala,Dr. (Mrs.) AlpanaMahapatra Decentralization of wastewater treatment
8	ES/0078	DESAI HARI,KANAKIA AAKASH, KARANDE RUPALI Conversionof effluent gases into waste products
9	ES/0079	Vijayalakshmi CH, Ramesh Nadiu M, Praveen Ghodke Recovery of furfural from waste water by adsorption with ion exchange resins
10	ES/0080	Amit Kumar, Munawar A. Shaik Optimalsource-sink matching in carbon capture and storage
11	ES/0082	Abhradip Pal, Manoj Kumar, Pankaj Chawla, S K Sharma and Amrit Pal Toor Preparationof TiO ₂ -coated polymer substrates for photocatalytic degradation of magenta dye solution
12	ES/0083	Abhradip Pal, Manoj Kumar Characterization of Heavy Metal Resistant bacteria isolated from different conditions
13	ES/0085	Sukhmani Kaur, V.K. Rattan, R. Jindal Removal of Acidic Red 183 from aqueous solution by fluidization
14	ES/0087	Swati Sharma, MausumiMukhopadhyay, ZagabathuniVenkataPanchakshari Murthy Identification of Reaction Products in UV-Organic Oxidant Assisted CP Congener

	Degradation In Wastewaters
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PARALLEL SESSION – IV

EE: Energy Engineering

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-7

1	EE/0026	Mishal Rahman. K. K, Adithya Prakash. K. J, Rajesh. T, Sivakumar. P BIO-METHANE PRODUCTION FROM MICROALGAL RESIDUES
2	EE/0027	Mitravinda T, GVS Sarma, Kirtan Sahoo, A Srinivas Kumar SYNTHESIS AND ELECTROCHEMICAL CHARACTERIZATION OF Li (Ni $\frac{1}{2}$ Co $\frac{1}{2}$ Mn $\frac{1}{2}$) O ₂ CATHODE FOR RECHARGEABLE LITHIUM - ION CELL
3	EE/0028	Ajit Vikram, Dr. Naveen Tiwari PARAMETRIC ANALYSIS OF PERFORMANCE OF SOLID OXIDE FUEL CELL
4	EE/0029	Neetu Singh, M. K. Jha, Anil Kumar Sarma APPLICATION OF TAGUCHI METHOD (L-25 ORTHOGONAL ARRAY) TO OPTIMIZE PERFORMANCE AND EMISSION CHARACTERISTICS OF A CI ENGINE WITH DIESEL/BIODIESEL BLENDS
5	EE/0031	Hundessa Dessalegn, Chhayakanta Acharya, Ratan Mohan HYDROGEN PRODUCTION FROM GLYCEROL STEAM REFORMING
6	EE/0033	Dhaval S. Andadia, Rajubhai K. Mewada HEAT EXCHANGER NETWORK DESIGN OF COPPER CHLORIDE CYCLE FOR HYDROGEN PRODUCTION FROM WATER USING SOLAR ENERGY
7	EE/0036	Anu Khevaria, S. Basu CARBON DIOXIDE REDUCTION ON PRASEODYMIUM DOPED GADOLINA DOPED CERIA CATHODES USING SOLID
8	EE/0039	Ali Shemsedin Reshad, Deoashish Panjiara, Pankaj Tiwari, VaibhavV. Goud BIODIESEL PRODUCTION USING HETEROGENEOUSBASE CATALYST: PROCESS OPTIMIZATION
9	EE/0040	Ritesh Prakash, Amar Nath Samanta ENERGY INTEGRATION STUDIES IN BTX DISTILLATION COLUMN
10	EE/0041	Pankaj Kumar, Sunil K. Maity, Debaprasad Shee HYDRODEOXYGENATION OF STEARIC ACID over Co/-Al ₂ O ₃ CATALYST
11	EE/0042	V. Vijay Kumar,G. Naresh,S. Naveen Kumar,Ch. Anjaneyulu,S.K.Bhargava,A. Venugopal Characteristics of La-modified Ni-Al ₂ O ₃ and Ni-SiO ₂ catalysts for CO _x -free hydrogen production by catalytic decomposition of methane
12	EE/0043	Aditi Sharma, Rahul Pesala Reddy, Ramgopal Uppaluri, Pankaj Tiwari EXPERIMENTAL AND SIMULATION STUDIES OF CHEMICAL BASED ENHANCED OIL RECOVERY
13	EE/0044	Rajan Sharma, Shailey Singhal, A.K. Tiwari, Shilpi Agarwal and Shefali Arora Development of Microwave Physio-Chemical Pre-treatment method for the bioconversion of rice husk waste into biogas & Value added product
14	EE/0045	Vijaya Kumar B,Sivakumar P, Santhosh V, Yasvanthrajan N DEVELOPMENT OF HETEROGENEOUS CATALYST FOR THE PRODUCTION OF BIODIESEL

PARALLEL SESSION – IV

FM: Fluid Mechanics And CFD

Date : 29th Dec 2014

02:00 PM – 05:00 PM

Venue: L-8

1	FM/0016	Sujan Kumar B, Venu Vinod A PRESSURE DROP STUDIES IN A SPOUT-FLUID BED
2	FM/0017	AsadKalam, RaunaqHasib, Mohammad Danish Mixed Convection Past Two Identical Cooled Circular Cylinder in a Tandem Arrangement
3	FM/0018	Deepak Pal, Pinakiranjan Patra, Ved Prakash Mishra COKER HEATER Air flow Distribution Study
4	FM/0019	A. H .Raja, R. P. Chhabra LAMINAR FORCED CONVECTION HEAT TRANSFER FROM A HEATED SQUARE CYLINDER OF CONSTANT HEAT FLUX IN A BINGHAM PLASTIC FLUID
5	FM/0020	Neha Sharma and Amit Dhiman EFFECTS OF BUOYANCY ON THE SHEAR-THINNING HEAT TRANSFER FROM A SQUARE BLUFF BODY IN A VERTICAL CHANNEL
6	FM/0021	Talat Fatima , Syed Akhlaq Ahmad OPTIMUM DIMENSIONS OF A CYCLONE SEPARATOR FOR MAXIMUM
7	FM/0022	RadheShyam HEAT TRANSFER FROM A TRAPEZOIDAL CYLINDER IN AN UNCONFINED SPACE
8	FM/0023	K. Nagarajan*, T. Renganathan, K. Krishnaiah PRESSURE DROP AND HOLDUP IN CONTINUOUS COUNTERCURRENT LIQUID-SOLID SYSTEM
9	FM/0024	Pavi Gupta, M. Rajendra Kumar, K. Velusamy PREDICTION OF THERMAL HYDRAULIC BEHAVIOUR OF LEAD BISMUTH ALLOY AND COMPARISON WITH SODIUM
10	FM/0025	S.Yadav, M. Mallikarjuna Reddy and Anugrah Singh NUMERICAL SIMULATION OF PARTICLE MIGRATION IN SYMMETRIC 3D BIFURCATION CHANNEL
11	FM/0026	Nilesh Gandhi, Vedprakash Mishra, Vijay Pawar, Able Cherry ADDRESSING EROSION ISSUE ASSOCIATED WITH STEAM CONDITIONING
12	FM/0031	Avinash Chandra, Mahima Gandhi, Raj Kumar Gupta Mixed convection heat transfer from a semi-circular cylinder placed in a vertical channel to air
13	FM/0033	Abhishek Kumar, Amit Kumar Gupta, Sandeep Kumar DEFORMATION AND DETACHMENT OF OIL DROPLET BY SHEAR FORCE ON SOLID SURFACE WITH AND WITHOUT SURFACTANT
14	FM/0034	Rick Sundar, Salman Ahmed, Ajit Das, Soubhik Kumar Bhaumik CFD ANALYSIS OF FLOW OVER PATTERNED MICROCHANNEL