

## PARALLEL SESSION – V

AS: Advance Separation Techniques

Date : 29<sup>th</sup> Dec 2014

05:30 PM – 07:00 PM

Venue: L-1

1	AS/0054	<b>Ankit Namdev , Munindra Bisen,Sandhya Mishra</b> Segregation Of Particulate Material:Experimental Demonstration In Two And Three Dimensional Units
2	AS/0058	<b>Sanjay Gautam, Vikky Anand, Vimal Chandra Srivastava</b> Oxidative-Extractive Desulfurization Of Diesel Using Ionic Liquid
3	AS/0059	<b>Sabyasachi Mallick, Basudeb Munshi</b> Reactive Extraction Of Acetic Acid Using Alamine-336 In Toluene, Hexanol And Decanol
4	AS/0060	<b>Dipti G. Wankhade, Dr. Sanjay M. Chavan</b> Studies On Concentration Polarization For Purification Of Saline Water Using Spiral Wound Reverse Osmosis Module
5	AS/0061	<b>Shashank S. Gaikwad,Shraddha V. Admane,Sanjay M. Chavan,</b> Process Development Of Extraction Of Betulinic Acid From Leaves Of Syzygium Cumini (Jamun) By Using Ultrasonication Extraction Technique
6	AS/0064	<b>Tanu S Unahria, Bornita Deb, Ashish V Mohod, Kanchana N Bavankar, Sanjay Danao</b> Sonochemical Degradation Of Poly Vinyl Pyrrolidone (Pvp): Intensification Using Additives
7	AS/0066	<b>Ronjish Chugh, Chitrakshi Goel, Haripada Bhunia, Pramod K. Bajpai</b> Adsorption Kinetics Of Carbon Dioxide On Copper Benzene-1, 3, 5-Tricarboxylate Metal-Organic Framework
8	AS/0067	<b>Ch.Ramya, G.Kalyani, H. Jogarao, T.Ritika</b> Isolation Of Citral From Lemongrass Oil Using Steam
9	AS/0068	<b>Amey K. Ekbote, Tushar Palande, Saketh Rompicherla , P.N.Dange</b> Removal Of Uranium From Contaminated Discharge
10	AS/0069	<b>Amit Jain, Sirshendu De</b> Optimization Of Primary Extraction Of Bitter Gourd (Momordica Charantia) Juice
11	AS/0071	<b>T.Ritika, Ch.Ramya, P. Moses</b> Phenol Oxidation Using Fenton-Like Process

## PARALLEL SESSION – V

**GCET : Green Chemistry Engineering & Technology**

**Date : 29<sup>th</sup> Dec 2014**

**05:30 PM – 07:00 PM**

**Venue: L-2**

1	GT/0031	<b>A Sakthi Saravanan, Muralidharan N G, P Sivakumar</b> Kinetics Of Transesterification Of Sesamum Indicum Seed Oil Using Calcium Oxide Nanocatalyst
2	GT/0032	<b>Sadanand Y. Guhe, Dharyashil M. Santre, Vishal R. Kanade And Swapnil M. Palandurkar</b> BIO-ETHANOL FROM ALGAE
3	GT/0033	<b>K. V. Sandhya, N. Vedaraman, K. C. Velappan</b> Experimental Studies On Biodiesel Production From Leather Industry Limed Fleshings Waste
4	GT/0035	<b>P. Suroshe, H. Pramanik</b> Production Of High Value-Added Products From Sugarcane Bagasse By Thermal Pyrolysis
5	GT/0036	<b>M. Khairnar, H. Pramanik</b> Study Of Electro-Oxidation Phenomenon Of Glucose On Platinum (Pt) And Gold (Au) Surface Electrodes Using Cyclic Voltammetry
6	GT/0037	<b>Jharna Gupta, Madhu Agarwal</b> Feasibility Of Different Blends Of Mustard And Soybean Waste Frying Oil For The Production Of Biodiesel
7	GT/0038	<b>Smita Mondal , Al Ameen A , Satyanarayana Murty Pudi, Prakash Biswas</b> Liquid Phase Hydrogenolysis Of Glycerol To 1,2-Propanediol Over Mgo Supported Transition Metal (Cu, Co, Ni, Zn And Fe) Catalysts
8	GT/0039	<b>U Bhushan, H Pramanik</b> Synthesis Of Pt-Sn/C Catalyst For Electrooxidation Study Of Ethanol Using Cyclic Voltammetry
9	GT/0040	<b>Mohd.Yusuf, Maham Malik, Moina Athar</b> Biodiesel Production By Micro Wave Heating
10	GT/0041	<b>Abhay Dinker, Madhu Agarwal</b> Preparation Of Expanded Graphite And Stearic Acid Composite For The Low Temperature Thermal Storage
11	GT/0042	<b>B.Vijaya Kumar, P. Sivakumar, V. Santhosh, N.Yasvanthrajan</b> Production Of Biodiesel Using Heterogeneous Catalyst
12	GT/0044	<b>Promila Yadav, M.S.V.Prasad, P.Mondal</b> Effect Of Light, Ph And Kno3 Concentration On Microalgae Chlorella Pyrenoidosa

## PARALLEL SESSION – V

**PI: Process Intensification**

**Date : 29<sup>th</sup> Dec 2014**

**05:30 PM – 07:00 PM**

**Venue: L-3**

1	PI/0002	<b>Mahesh Ganesapillai, Aruna Singh, Ashish Singh and Debiparna De</b> MOISTURE DIFFUSIVITY, ENERGY CONSUMPTION AND EFFICIENCY OF MICROWAVE DRYING OF GINGER RHIZOMES
2	PI/0006	<b>Kurella Swamy, Manish Kumar, B. C. Meikap</b> STUDY ON PRESSURE DROP VARIATIONS IN MULATISTAGE PLATE COLUMN WET SCRUBBER
3	PI/0008	<b>Shekhar M. Gaikwad, Abhijeet Kulkarni, P D Jolhe, M. S. Pimplapure, S H. Sonawane ,</b> Study of Unstable Product Synthesis in Corning® AFRTM Reactor
4	PI/0009	<b>Abhijeet Kulkarni, Shirish Sonawane</b> Synthesis of polyaniline using spiral microreactor
5	PI/0011	<b>Wadilal R. Rathod, Virendra K. Rathod</b> SYNTHESIS OF ZnO NANOPARTICLES BY USING SPINNING DISC REACTOR
6	PI/0012	<b>S. Bose (Das), A. Banerjee</b> SOLAR LIGHT INDUCED PHOTOCATALYTIC DEGRADATION OF AZO DYE
7	PI/0013	<b>Swati J Aphale, Sanket N Shinde, kapil sathe, Kanchan N Bawankar, Ashish V Mohod, Sanjay P Danao</b> PROCESS INTENSIFICATION: BIODIESEL SYNTHESIS USING LOW COST MATERIAL SUCH AS WASTE COOKING OIL
8	PI/0014	<b>Alka Kumari, B.Satyavathi</b> CFD STUDIES OF DROPLET OR BUBBLE FORMATION FOR A TWO- PHASE FLOW IN A T-JUNCTION MICROCHANNEL
9	PI/0015	<b>Sagar M. Gadalkar, Virendra K. Rathod</b> Sequential extraction of watermelon (Citrullus lanatus) seed proteins and their functional properties
10	PI/0016	<b>Vineet Aniya, B. Satyavathi</b> Dehydration of 2-Methyl propan-2-ol in azeotropic and extractive divided wall distillation column: Process integration and intensification
11	PI/0017	<b>Dipaloy Datta, Sushil Kumar, Avinash Chandra</b> Investigation of Extraction of Nicotinic Acid using TBP and TOA Dissolved in a Binary Diluent Mixture

## PARALLEL SESSION – V

**PP: Petroleum And Petrochemicals**

**Date : 29<sup>th</sup> Dec 2014**

**05:30 PM – 07:00 PM**

**Venue: L-4**

1	PP/0001	<b>Binoy Shah , Mahendra Singh, Dhruvin Patel, Narasimhareddy Ravuru</b> DEVELOPMENT OF NEW POLYMERIC SURFACTANT FOR CHEMICAL ENHANCED OIL RECOVERY CHEMICAL ENHANCED OIL RECOVERY
2	PP/0002	<b>Akanksha Mishra, Nanda Kishore</b> COMPARISON BETWEEN WATER FLOODING AND POLYMER FLOODING IN LINE DRIVE: NUMERICAL SIMULATION CASE STUDY
3	PP/0009	<b>Anmol Singh, Utkarsh Maheshwari</b> OPTIMIZATION OF RESIDUE UPGRADATION TO USEFUL PRODUCT USING ASPEN PLUS PLATFORM ASPEN PLUS PLATFORM
4	PP/0010	<b>Priyanka Dhar</b> VALUE ADDED PRODUCTS FROM PLASTIC WASTES
5	PP/0017	<b>T.Ajeeth Prabhu, S.Padma, V.Bharath, M.Adity Kishore</b> SIMULATION OF GAS SWEETENING PROCESS
6	PP/0018	<b>Silabrata Pahari</b> Observing the refining processes: Searching for a New Angel
7	PP/0021	<b>Arunika Pohary, Apeksha Adme, Sukanta K Dash</b> A REVIEW ON RECENT GAS-TO-LIQUID TECHNOLOGY
8	PP/0022	<b>Mr.D.P.Deshpande, Mr.V.S.Hakke1,Mr.P.B.Dehankar2</b> PROMISING FUEL FOR FUTURE
9	PP/0023	<b>R Arum Kumar , N Venkatesh , K Jithin Raj</b> SUPERBUTOLTM PROCESS TECHNOLOGY DEVELOPMENT FOR SUPERIOR GASOLINE BLENDING OMPONENT
10	PP/0024	<b>Ashish N. Sawarkar</b> PROCESSING OF HEAVY CRUDE OILS: A CHALLENGE AS WELL AS AN OPPORTUNITY FOR PETROLEUM REFINERS
11	PP/0025	<b>Shashi Shekhar, Kartik Pampala, Munawar A. Shaik</b> OPTIMAL OPERATION OF REFINERY MULTIPRODUCT PIPELINES
12	PP/0027	<b>Sohan Bir Singh and Mahuya De</b> DESULFURIZATION OVER SUPPORTED ZINC OXIDE

## PARALLEL SESSION – V

**HT: Heat Transfer**

**Date : 29<sup>th</sup> Dec 2014**

**05:30 PM – 07:00 PM**

**Venue: L-5**

1	HT/0001	<b>Suneja, Vipin, Author - Nayek, Subhajit, Author- Krishnan, Shweta</b> Selecting the Right Wet Bulb Temperature
2	HT/0007	<b>Kshitij Tewari, Raj Kumar Arya</b> A SIMPLE AND PRACTICAL APPROACH FOR DETERMINING PINCH TEMPERATURES AND UTILITY REQUIREMENTS USING MATLAB
3	HT/0008	<b>Anurag Samantara, U.Partha Sarathy, K Velusamy, P Selvraj, P Chellapandi</b> INVESTIGATION OF COUPLED NATURAL CONVECTION LOOPS IN DECAY HEAT REMOVAL SYSTEMS OF FAST BREEDER REACTORS
4	HT/0009	<b>N. S. Ghuge,D. Mandal</b> CFD SIMULATION TO ESTIMATE THERMAL CONDUCTIVITY OF PACKED BED OF LITHIUM ORTHOSILICATE PEBBLES
5	HT/0010	<b>T.Srinivas, A.Venu Vinod</b> Forced convection heat transfer enhancement in helical coil heat exchanger using CuO/water nanofluid
6	HT/0012	<b>Parikshit G. Shastri , Madhavi V. Sardeshpande , Vivek V Ranade</b> Two-Phase Flow Boiling Pressure Drop in Small Vertical Channels
7	HT/0015	<b>Manish Kumar, M. Andey, B. Verma, K. K. Srivastava</b> EXPERIMENTAL STUDY OF FRICTION FACTOR AND HEAT TRANSFER IN MICROTUBE USING NANOFLUIDS
8	HT/0016	<b>Dasaradhi.D, Anu Dutta, Brindaban Ghosh</b> HEATING AND GEOMETRICAL EFFECTS ON CONVECTION IN POROUS BEDS
9	HT/0017	<b>Gaurav Khandelwal, Priyanshu Goyal, Brindaban Ghosh</b> BOUNDARY CONDITION EFFECTS ON CONVECTION IN INTERNALLY HEATED CAVITIES
10	HT/0018	<b>Avinash Chandra, Bhrigu Mehta, Dipaloy Datta</b> Forced convection heat transfer from a confined semi-circular cylinder
11	HT/0021	<b>Ankit Kumar, Priyanka Padmanabhan</b> DESIGN MODIFICATIONS IN THE STANDARD SHELL AND TUBE HEAT EXCHANGER WITH THE INTRODUCTION OF HORIZONTAL BAFFLES

PARALLEL SESSION – V

ES: Environmental Science And Engineering

Date : 29<sup>th</sup> Dec 2014

05:30 PM – 07:00 PM

Venue: L-6

1	ES/0088	<b>Chandrakant R. Holkar, Ananda J. Jadhav, Sammit E. Karekar, Dipak V. Pinjari And Aniruddha B. Pandit</b> Biodegradation Of Reactive Blue 19 Using An Isolated Strain Of Enterobacter Sp.F Ncim 5545
2	AS/0027	<b>Radha Das, Ishita Sinha &amp; Anupam Mukherjee.</b> Utilization Of Fly Ash As Low Cost Adsorbent For Removal Of Dyes From Textile Dying Industry Effluents : Kinetics And Thermodynamics
3	dd6/0031	<b>Dr. Md. Junaid Khalil1 , Shams Anwar, Aslam Khan Rajarh</b> Design And Fabrication Of A Biofilter To Remove H <sub>2</sub> s From Biomass
4	ES/0027	<b>Kavita Prajapati, Laxmi Gayatri Sorokhaibam, Vinay M. Bhandari1, D. J. Killedar, And Vivek V. Ranade</b> Impact Of Coagulant Type And Dye Structure In Coagulation Process
5	AS/0074	<b>Swati Dubey, Sushant Upadhyaya, Jitendra Kumar Singh , S.P Chaurasiya</b> Treatment Of Textile Wastewater Containing Methylene Blue Dye By Vacuum Membrane Distillation
6	dd6/0007	<b>A.V.S.L.Sai Bharadwaj, Prof. R.K Singh</b> Aqueous-Phase Adsorption Of Methylene Blue On Activated Carbon Prepared From Tire And Biomass Char
7	ES/0092	<b>Dr. Alv Kumar Reddy, J Venkataswamy, Dm Reddy, M Misra, Dr.Ds Setty, G.Kalyanakrishnan And N Saibaba</b> Study Of Different Heat Treatment Techniques For Processing Of Sodium Uranate Ore Concentrate To Produce Sinterable UO <sub>2</sub> Powder
8	ES/0094	<b>Nitin Goyal, Alpana Saini, Sanghamitra Barman</b> A Comparative Study Of Bioadsorbents For The Removal Of Thionine Dye From Synthetic Waste Water
9	ES/0069	<b>M.Jayapriya, V.Saravanan, M.Rajasimman &amp; N.Rajamohan</b> Biofiltration Of Xylene Vapours Using Agro Industries Packing Material
10	ES/0096	<b>Srinivasa Rao.V , Ch.V.Ramachandra Murty , Balaga Dilip Kumar</b> Adsorption Of Zinc And Copper Using Molecular Sieves
11	ES/ 0097	<b>Y. J. Rao, S. Hasan2, T. K. Ghosh, And D. S. Viswanath</b> Novel Bioadsorbents For The Removal Of Metal Ions From Waste Streams

PARALLEL SESSION – V

EE: Energy Engineering

Date : 29<sup>th</sup> Dec 2014

05:30 PM – 07:00 PM

Venue: L-7

1	EE/0049	<b>Richa Modi, Rajubhai K. Mewada</b> Review of Photo-Catalytic Hydrogen Production from Water using Solar Energy
2	EE/0051	<b>Shyamal Bhunia, Ashok Prabhakar, Subhamoy Halder, Anup kumar Sadhukhan</b> FTIR STUDY ON ISOTHERMAL PYROLYSIS OF COAL
3	EE/0052	<b>Praveen Ghodke, Ramesh Nadiu M, Vijaya lakshmi CH</b> Characterization and Pyrolysis of various Biomass residues
4	EE/0054	<b>A.K. Gautam, B. Verma, A.S.K. Sinha, A. Singh</b> Pyrolysis of Lignocellulosic Biomass to Reduce Char Yield
5	EE/0059	<b>Ramesh Nadiu M, Vijaya lakshmi CH, Praveen Ghodke</b> Kinetic Modeling of Rice Husk Pyrolysis using Thermo-Gravimetric Analyzer
6	EE/0062	<b>Ranjana Chowchury, Namrata T Biswas</b> CO-PYROLYSIS OF SPENT ENGINE OIL AND WITH LIFE CYCLE ANALYSIS AND SENSITIVITY PARAMETRIC ANALYSIS
7	EE/0093	<b>Amit Arora, Rajnish Kumar, Swaranjit Singh Cameotra, Pushpendra Kumar, Chandrajit Balomajumder, Sukumar Laik</b> ROLE OF SURFACTIN A BIO-SURFACTANT IN NATURAL GAS HYDRATE FORMATION KINETICS
8	dd6/0020	<b>S. Deepalakshmi, A. Sivalingam, P. Sivakumar</b> Chicken tallow biodiesel: A fuel with RECOMENDED PROPRTIES
9	dd6/0005	<b>M. A. Shahb Dr. M. N.S. Khanb</b> Titanium oxide (TiO <sub>2</sub> ) nanostructures and their safe applications in energy sectors
10	EE/0088	<b>S.V.A.R.Sastry, Ch.V.Ramachandra Murthy</b> EFFECTS OF URBANIZATION ON RENEWABLE ENERGY CONSUMPTION IN INDIA

PARALLEL SESSION – V

FM: Fluid Mechanics And CFD

Date : 29<sup>th</sup> Dec 2014

05:30 PM – 07:00 PM

Venue: L-8

1	FM/0035	<b>J.S. Rawat, Pankaj Tiwari, Rajesh Kumar Upadhyay</b> Investigation Of Material Distribution In Solid-Gas Fluidized Bed Column With Side Wall Nozzles Assembly
2	FM/0036	<b>Rajani Kant Baro, Premkumarkamalanathan, Rajesh Kumar Upadhyay</b> Experimental Verification Of Emms Drag Model For Heterogeneous Gas-Solid Flows In A Cfb Riser With Gamma-Ray Densitometry
3	FM/0037	<b>G.K.Pujari, Dr. N.M.Rao , Dr.Avsskgupta,Mallikarjuna B.B</b> Theoretical And Experimental Analysis On Hydrodynamic Behavior Of An External Air-Lift Loop With Two Downcomers
4	FM/0038	<b>Rakesh Baghel, Sushantupadhyaya</b> Experimental Study Of Flow Characteristics In Archimedean Spiral Tube Coils
5	FM/0039	<b>R. Verma, A. Bombarde, H.J.Pant And Rajesh K. Upadhyay</b> Hydrodynamic Study Of The Liquid Cooled Pebble Bed Reactor
6	FM/0040	<b>Ch. Sai Vamsi, K.Aneesha, K.Sundeeep, B.Sindhusha, B.Sreenivasulu</b>  Simulation Of Heat Transfer In A Lid Driven Cavity With A Fin Attached To The Hot Wall
7	FM/0041	<b>Deepak Kumar1, Lipika Kalo1, Rajesh Kumar Upadhyay1</b> Study Of Binary Liquid-Solid Fluidized Bed Using Dem-Cfd Simulation With Experimental Validation By Using Radioactive Particle Tracking (Rpt) Technique
8	FM/0043	<b>Sangram Roy And Shantanu Roy</b> Simulation Of Mixing Characteristics Of Coal And Ash In A Bubbling Fluidized Bed
9	FM/0045	<b>A. Tamrakar</b> Cfd Analysis Of Pressure Loss And Discharge Coefficients For Non Newtonian Fluid Flow Through Orifice Meter
10	FM/0046	<b>Avinashbombarde, Rupeshverma And Rajesh Kumar Upadhyay</b> Investigation Of Liquid Cooled Pebble Bed Reactor Through Gamma-Ray Densitometry Technique