

PARALLEL SESSION – III

AS: Advance Separation Techniques

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-1

1	AS/0028	Sagar Vagadiya, Binoy Shah, Parin Shah Integrated Reactive Absorption Technology For Production Of Biodiesel
2	AS/0029	Sagar Kavathia, Parin Shah Coagulating And Flocculating Hybrid Material For Wastewater Treatment: Current Status And Future Potentia
3	AS/0031	Komal D. Ajabiya, Beena K. Sheth Energy Efficient & Economic Separation Of Binary Mixture Via Freeze Crystallization
4	AS/0034	Rishi Bharadwaj.M, Surya Vamshi Krishna.B, Vighneswararao.K,Balanarsaiah.T,Pitchumani.B Study Of Tangential Velocity In Uniflow Cyclone
5	AS/0035	Vinay Reddy, Prasanna Kumar, Vighneswararao.K, Pitchumani.B Performance Comparision Of Square Cyclone And Conventional Cyclone
6	AS/0036	Leena Patil, Rasika Dhamankar, Rahul Zambare, Parag R. Nemade Development And Characterization Of Cellulose Acetate-Graphene Oxide Composite And Blend Membranes
7	AS/0038	Indu Kumari And Ashok Khanna BENCHMARKING OF DISTRIBUTION COEFFICIENTS OF URANIUM AND NITRIC ACID
8	AS/0041	Shrivallabh A. Khadilkar, Shalaka K. Kale, Amar D. Vibhandik, Kumudini V. Marathe Removal Of Copper Ions From Waste Water By Micellar Enhanced Ultrafiltration Using Mixed Surfactants
9	AS/0042	Pradeep Kumar, Durgaprasad Yedla, S.Halavath, Subham Paul The Absorption/Regeneration Behavior Of Co 2 In Aqueous Triethylenetetramine
10	AS/0043	Ajay Kumar Manna Enhanced Flux In Solar-Driven Flash Vaporization Membrane Distillation
11	AS/0045	Chatterjee M., Dr. Vijayan P.K Thermal And Species Separation In Ranque Hilsch Vortex Tube

PARALLEL SESSION – III

PM: Process Modeling And Simulation

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-2

1	PM/0022	Syed Akhlaq Ahmad, Asma Iqbal Modeling And Simulation Of Pressure Swing Distillation Column
2	PM/0023	Harjeet Nath, Abanti Sahoo Experimental Studies For The Abatement Of Fluorides Using Using Fluidized Bed Reactor And Its Simulation Using Aspen Plus
3	PM/0024	Lakshmi VM, SR Chakravarthy, AG Rajendran, CR Thomas Effect Of Ball Milling Parameters And Moisture Content On Size Reduction Of Ammonium Perchlorate Particles
4	PM/0025	Rohit Omar, Munawar A. Shaik Short-Term Scheduling Of Continuous Plants Based On Conditional Sequencing
5	PM/0026	S.L.Pandharipande, Anish M. Shah, Hemant S. Patil Simultaneous Modeling Of Vle Data Of Six Ternary Mixtures Using Artificial Neural Network
6	PM/0027	Divya Saxena, Munawar A. Shaik Integration Of Design And Layout Aspects In Pipeless Plants
7	PM/0028	Sadaf Zaidi SVR Modelling Of Convection Dominated Subcooled Boiling Heat Transfer Coefficient In A Vertical Tube Thermosiphon
8	PM/0029	Upendra Punhana, Munawar A. Shaik Integration Of Design And Scheduling In Pipeless Plants
9	PM/0030	Subhajit Majumder, Gayathri Gangadhar, Smita Raghuvanshi, Suresh Gupta Optimization Of Divalent Copper Bioremediation By Acinetobacter Guilloviae Using Response Surface Methodology
10	PM/0031	Rishi Yadav, Munawar A. Shaik Optimal Operation Of Bio-Refineries
11	PM/0032	Hrusikesh Barik, Manaswita Bose, Joanne Tanner, Sankar Bhattacharya CFD-DPM Based Numerical Simulation Of Brown Coal Pyrolysis In A Drop Tube Furnace
12	PM/0033	Pranjoy Mittal, Munawar A. Shaik Heat Integration In Batch Plants With Flexible Schedules

PARALLEL SESSION – III

FM: Fluid Mechanics And CFD

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-3

1	FM/0004	Inder Kumar And Kausik Nandi Fluid Mixing And Flow Distribution In A Nuclear Pressurized Water Reactor
2	FM/0005	Ashin Dutta, R.P.Chhabra Effect Of Orientation On Laminar Natural Convection From A Heated Square Cylinder In A Square Enclosure
3	FM/0006	Priyarshini Ghosh, Nanda Kishore A Numerical Study On Bubble Dynamics In In Turbulent Blood Flow
4	FM/0007	Raunaqhasib, Lokesh Kumar, S. Fahad Anwer Aiding-Buoyancy Mixed Convection Past Two Circular Cylinder In A Tandem Arrangement
5	FM/0008	Asadkalam, Raunaqhasib, Mohammad Danish Opposing-Buoyancy Mixed Convection Past Two Circular Cylinders In A Tandem Arrangement
6	FM/0009	G.K.Pujari, Dr. N.M.Rao , Dr.Avssk Gupta,Mallikarjuna B.B Experimental Studies On Two Phase Flow Void Fraction Measurement On Air-Lift Loop
7	FM/0010	Tanveerrasool, Amit Dhiman Fluid Flow And Forced Convection Across A Confined Triangular Cylinder
8	FM/0011	G.K.Pujari, Dr. N.M.Rao , Dr.Avsskgupta,Mallikarjuna B.B Two Phase Flow Pressure Drop Measurement On Air Lift Loop
9	FM/0012	N. Dasgupta, R. P. Chhabra Wall Effects On An In-Line Array Of Three Spheres In Poiseuille Flow Of Power-Law Fluids
10	FM/0013	Sakshi Sharma, Nikita Banger, Dr. S Prasad Salt Content Removal From Propane Gas With Counter Current Torroidal Pipe Through Cfd Approach
11	FM/0014	Sumeetheera, M. Rajendra Kumar, K. Velusamy Performance Evaluation And Optimization Of Shell And Tube Heat Exchanger Through Cfd Simulations

PARALLEL SESSION – III

CTH: Chemical Thermodynamics

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-4

1	CTH/0003	Ambuj Kumar Singh, Rajendra Singh Shekhawat, Vishnu Anand, S.Ganesh, R. Rajeev, N.K.Pandey, U.Kamachi Mudali and R.Natarajan Vapour Liquid Equilibrium Data Analysis Of Tbp-Ndd System At Different Pressure
2	CTH/0005	Shashi Kumar, Neelam Tondwal Dry Reforming Of Propane: Thermodynamic Analysis For No Carbon Formation
3	CTH/0006	Parin D. Shah Selection Of Thermodynamic Activity Model For Ethanol-Water System
4	CTH/0009	Brajesh Kumar, Shashi Kumar Thermal Efficiency Analysis Of Butanol Steam Reforming For Hydrogen Production
5	CTH/0014	V.P. SANDANA, V.SWETHA, R.BASKARAN Thermo Physical Properties Of Diacetone Alcohol+Benzene Or Chlorobenzene At 303.15, 313.15 K And 323.15 K
6	CTH/0015	Bikash Kumar Mondal, Syamalendu S. Bandyopadhyay, Amar Nath Samanta Vapour-Liquid Equilibrium Of Co ₂ In Aqueous Hexamethylenediamine
7	CTH/0016	S Gadekar-Shinde, S Chavan, D Saini Isobaric Vapor Liquid Equilibrium For Acetic Acid + Anisole System
8	CTH/0017	Ankit Jain, Ruturaj Sawant, Anurag Mehra, Vivek Ranade Thermodynamic Analysis Of Coal Gasification In A Fluidized Bed Reactor
9	CTH/0018	Reddi Kamesh, K Yamuna Rani Thermodynamic Modeling For Binary Mixtures Of Methyl Ethyl Ketone (Mek) + Methyl Ethyl Ketazine (Mekazine) And Mek + Hydrazine Hydrate (Hh) Using Unifac Group Contribution Method
10	CTH/0019	Kevin v. Vadnagra, Paresh H. Rana Effects Of Various Organic Salts & Ionic Liquids On Separation Of Close Boiling Compounds
11	CTH/0020	Mahendra Guddad, Dr. K. L. Shivabasappa A Review: Excess Molar Enthalpy And Heat Of Vaporization Of Binary And Ternary Mixtures Of Oxygenated Component And Hydrocarbon

PARALLEL SESSION – III

PE: Polymer Science And Engineering

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-5

1	PE/0002	Riya Srivastava, Kavita Srivastava, Deepak Srivastava Evaluation Of Reaction Parameters Of Furan Based Condensation Reaction
2	PE/0004	Shaila Thakur, Sudarsan Neogi Plasma Treatment And Coating Of Polycarbonate With Antimicrobial Titanium Dioxide (TiO ₂) Nanoparticles For Biomedical Application
3	PE/0005	Appala Naidu U, Karthik Chethan V, Srikanta Dinda Polymerization Studies Of Ketonic Resin
4	PE/0007	Chitresh Kumar Bhargava , Raj Kumar Arya Simulation Analysis Of Drying Of Ternary Polymeric Solution Coatings
5	PE/0008	Nimish Shah, R. K. Mewada, Tejal Mehta Preparation Of Chitosan – Starch Polyelectrolyte Complexes
6	PE/0009	Sriramoju Kishore Kumar, Venkat Padmanabhan Self Assembly Of A Binary Mixture Of Bare / Polymer Grafted Nanoparticles
7	PE/0010	Debjit Ghoshal, Sudarsan Neogi Surface Modification Of Polymer Substrate (Pvc) By Plasma Treatment And Study Of Ageing Characteristics
8	PE/0011	Chahat Mandviwala, Nimish Shah Microwave Assisted Polymerisation
9	PE/0012	Mrs. Ujvala Christian Review Of Experimentally Studied Systems For Synthesis Of Polymer Microcapsules By Interfacial Polymerization
10	PE/0013	Aditya Lomate, Ravi Pokharkar, Rajat Bahade Converting Waste Plastics Into Fuel
11	PE/0014	Deepak Kohli, Sangeeta Garg, A.K Jana Mechanical And Barrier Properties Of Poly Vinyl Alcohol/Kaolinite Clay Based Nano-Composite Films

PARALLEL SESSION – III

ES : Environmental Science And Engineering

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-6

1	ES/0045	ApoorvaPurohit Aerosol dispersion modelling from the indian subcontinent into the oceanic region
2	ES/0046	KrantiKuruti, BharathGandu, Dr.A.GangaganiRao, Dr.Y.V. Swamy Development Of Sustainable Biotechnological Method For Removal Of Ammoniacal Nitrogen From Industrial Waste Waters
3	ES/0049	SudhaMinz, Sangeeta Garg, Renu Gupta Degradationof p-chlorophenol using fenton's reagent and its kinetic study
4	ES/0050	V. V. Kulkarni, Animes Kr Golder and Pranab Kr Ghosh Removal Of Pb(II) by Weak And Strong Acidic Cation-Exchange Resins: Kinetic And Thermodynamic Studies
5	ES/0053	G.kannan, Dr. D. Prabhakaran, Dr.M.Thirumarimurgan Recovery of metals from e-waste using leaching process
6	ES/0054	R. Srikanth,Suggala V Satyanarayana CO ₂ – N ₂ separations: use of gas separation membranes
7	ES/0055	AkshayaBharathi. G, JebaJeya Austro. S, KanthabhabhaPalaniappanSivaprakashBaskaran Equilibrium and kinetic studies on batch removal of cadmium using marine algae
8	ES/0057	KalyaneeAmbatkar, Dr. Suresh Gupta, SubhajtMajumder Experimentalstudy for the removal of hexavalent chromium from industrial wastewater using bioremediation
9	ES/0058	SakshiBatra, Dr. Suresh Gupta Experimentaland theoretical studies for removal of dyes from industrial wastewater using bioremediation
10	ES/0063	GayatriCh.V.R.L, Sowjanya.Ch.V.N, &Ch.V.R.Murthy Biosorption of Lead Using Antigononleptopus Leaf Powder
11	ES/0064	Pallab Das, Pankaj Tiwari Experimental study of waste plastic pyrolysis

PARALLEL SESSION – III

TP: Transport Phenomena

Date : 29th Dec 2014

11:30 AM – 1:00 PM

Venue: L-7

1	TP/0002	M. Kaminoyama, S. Ikeda, H. Nakahara, R. Misumi And K. Nishi Mechanism Of Mixing Enhancement Of A Yield Stress Fluid
2	TP/0003	Pradipta Chattopadhyay, Jitender Malik, Roshan Mishra, Venkata Vijayan, Soumya Analysis Of Surfactant Generated Butanol Based Aqueous Foam
3	TP/0004	Seelam Narasimha Reddy, Harshenduhela Indraganti, P. S. T. Sai Liquid fluidized binary mixtures in which coarser component may be flotsam
4	TP/0008	Naveen Tiwari, Sumit Gupta Dip-Coating Of A Micro-Patterned Substrate
5	TP/0009	G Srinivas, T Sunil Kumar, Y Pydi Setty Simulation Of Continuous Wall Heated Fluidized Bed Dryer
6	TP/0010	Barnali Bhui, Biswajit Kamila, Anup Kumar Sadhukhan And Parthapratim Gupta 2-D Modeling Of Combustionof Biomass Char– Volume Reaction Model
7	TP/0011	Biswajit Kamila, Ravi Prakash Shiromani 2-D Modelling Of Pyrolysis Of Large Biomass Particles
8	TP/0013	M.Preethi, G. Srinivas, Y. Pydi Setty Hydrodynamic Study Of A Gas Solid Batch Fluidized Bed Using Paddy
9	TP/0014	Partha Kundu , Vimal Kumar , Indra Mani Mishra Experimental Study Of Oil-In-Water (O/W) Emulsion Flow Through Porous Media
10	TP/0016	Sanket Wani, J.R. Picardo, Anil B. Vir, S. Pushpavanam Evolution Of Interface In Stratified Two-Phase Flow
11	TP/0017	Radhakrishna T. G., Anil B. Vir, J. R. Picardo, S. Pushpavanam Influence Of Marangoni Flows On Liquid-Liquid Extraction Performance
12	TP/0018	Dinesh N. V. S. S. R, S. Pushpavanam DYNAMICS OF PARTICLES IN A SHOCK TUBE USING XDEM METHOD
13	TP/0020	C S Chauhan, G N Sashi Kumar, T Puneet, M S Deshpande, V K Suri Sensitivity Studies Swirling Device At Sonic Speed

PARALLEL SESSION – III

GCET : Green Chemistry Engineering & Technology

Date : 29th Dec 2014

11:30 AM – 01:00 PM

Venue: L-8

1	GC/0022	Santosh R. More And Ganapati D. Yadav Hydrogenation Of Acetophenone Under Supercritical CO ₂ As Green Reaction Medium
2	GC/0024	Sneha R. Bansode And Dr. Virendra K. Rathod Lipase Catalyzed Synthesis And Optimization Study For Isoamyl Propionate In Solvent Free System
3	GC/0025	Yuvrajsinh Solanki And Parin Shah Green Synthesis Of Nano Zero Valent Iron For Oxidative Catalysis And Reduction
4	GC/0029	Suraj V. Yadav, Anilkumar R. Gupta And Virendra K. Rathod Transesterification Of Vegetable Oil Using Cao And Ceo ₂ As Catalyst
5	GC/0030	Nishat R. Khan, Sarita D. Gawas And Dr. V. K. Rathod GREEN SYNTHESIS OF CETYL OLEATE
6	GC/0033	Anil B. Gawade And Ganapati D. Yadav Kinetics Of Selective Oxidation Of 5-Hydroxymethyl-2- Furfural (HMF) Into 2,5-Furandicarboxylic Acid (FDCA) By Using Redox Catalyst Udc _{at} -3
7	GC/0034	Kalidas Rasal And Ganapati D. Yadav EFFICIENT SYNTHESIS OF QUINAZOLINE-2,4(1H,3H)-DIONES FROM CO ₂ AND 2-AMINOBENZONITRILES OVER NOVEL La ₂ O ₃ -Mgo CATALYST
8	GC/0039	N. Vedaraman, K. V. Sandhya, K. C. Velappan And C. Muralidharan Studies On Use Of Phase Transfer Catalyst In Liming Process
9	GT/0002	Shivanand R Shukla Carbon Dioxide Capture And Utilization
10	GT/0005	Tarak Mondal, Kamal K. Pant And Ajay K. Dalai STEAM REFORMING OF BIO-ETHANOL OVER Ni/Ceo ₂ -Zro ₂ CATALYST FOR HYDROGEN PRODUCTION
11	GT/0006	Jayato Nayak, Parimal Pal Production Of Acetic Acid And Whey Protein From Waste Cheese Whey In A Hybrid Reactor Under Response Surface Optimized Conditions