## PARALLEL SESSION – I (POSTER)

**GCET: Green Chemistry Engineering & Technology**

## 28TH DECEMBER 2014

**04:30 PM – 6:00 PM** **Venue: Ground, S.S.B. U.I.C.E.T**

| | | |
|---|---|---|
| **1** | GC/0004 | **Jignesh Kewale, Meet Patel And Deepanshu Verma**<br>Green Engineering & Technology: Biopesticides |
| **2** | GC/0005 | **Deepak B. Nale, Surjyakanta Rana, Kulamani Parida And Bhalchandra M. Bhanage**<br>Amine Functionalized Mcm-41: An Efficient Heterogeneous Recyclable Catalyst For The Synthesis Of Quinazoline-2,4(1h,3h)- Diones From Carbon Dioxide And 2-Aminobenzonitriles In Water |
| **3** | GC/0007 | **Kamalpreet Kaur, Amrit Pal Toor And R.K. Wanchoo**<br>Esterification Of Butanoic Acid With Glycerol Over Sulphated Zirconia |
| **4** | GC/0017 | **Garima Srivastava, Devendra Kumar Maravi, Vaibhav .V. Goud, Lingraj Sahoo**<br>Effect Of Salt Concentration On Growth And Lipid Accumulation Properties Of Chlorella Sp. |
| **5** | GC/0018 | **R. Kishore, B. Venu, A. Venugopal And M. Lakshmi Kantam**<br>Pd/Mg-La Mixed Oxide Catalyzed Oxidative Sp2 C-H Bond Acylation |
| **6** | GC/0020 | **Rathod Rahul, Kore Purvesh, Misal Saurabh, Dr Danao S P And Tadkar Pravin**<br>Review On Alkaline Cells |
| **7** | GC/0021 | **Vandekar Venkatesh, Wagh Harshad, Naikwadi Prashant And Tadkar Pravin**<br>Extraction Of Natural Dyes |
| **8** | GC/0026 | **Swati Mahajan And Anupama Thakur**<br>Green Synthesis Of Zinc Oxide Nanoparticles |
| **9** | GC/0027 | **Kartik Dogra, Prof. Anupama Thakur And Urvashi Salaria**<br>Green Synthesis Of Copper Oxide Nanoparticles |
| **10** | GC/0031 | **Kore Purvesh, Moradiya Keyur, Dr Danao S P And Tadkar Pravin**<br>Fuel Cell: An Excellent Option For Power Generation |
| **11** | GT/0012 | **Kaushik Londhe, Aashay Dedhia , Alpana Mahapatra**<br>An Alternative Rocket Propellant – A Novel Approach |
| **12** | GT/0026 | **Meet Patel, Divya Behl, Milap Patel**<br>Green Technology And Its Application To Nanotechnology |
| **13** | GT/0043 | **G. Naresh, M. Sudhakar, M. Lakshmi Kantam And Akula Venugopal**<br>Hydroxyapatite As A Novel Support For Ru In The Hydrogenation Of Levulinic Acid To G-Valerolactone |
| **14** | GT/0047 | **Nemade Tushar, Sathe Kapil, Tikhe Gaurav**<br>Solar Power Tower |
| **15** | GT/0048 | **Priyanka Padmanabhan, Ankit Kumar**<br>Design Of Photoreactor For The Treatment Of Synthetic Wastewater |
| **16** | GT/0049 | **Chirantan Mandal, Rajarshi Ray, Shweta Mitra**<br>Feasibility Of Jatropha Oil For Biodiesel |
| **17** | GT/0051 | **Raman Kumar Verma, Rishabh Kapoor, Shailendra Kumar Gupta, Rahul R.Chaudhari**<br>An Efficient Technique For Removal Of K+ And Mno4 - Ions Through Adsorption In Aqueous Solution By Using Activated Charcoal |
| **18** | GT/0052 | **Ritesh Mittal, K. K. Pant**<br>Catalytic Steam Reforming Of Bio-Oil Using Ceria-Zirconia Supported Ni-Co Catalyst |
| **19** | GT/0057 | **Atul Sharma, Amritanshu Shukla, Abhijeet Kumar, Varun Verma**<br>Phase Change Materials & Its Biomedical Applications |
| **20** | **GT/0066** | **Rimi Sharma and Sonal Singhal**<br>Synthesis of visible light active ferrite CuFe2O4 for rapid degradation of textile dyes |
| **21** | **HT/0014** | **Dhawal Saxena, Penaganti Pradeep Kumar**<br>Energy Efficient And Green Technology "Dry Hcl Gas Generation System" For Chemical Process Industries |

## PARALLEL SESSION – I(POSTER)

**ES: Environmental Science And Engineering**

## 28TH DECEMBER 2014

**04:30 PM – 6:00 PM** **Venue: Ground, S.S.B. U.I.C.E.T**

| | | |
|---|---|---|
| 1 | ES/0001 | **Veena Vijayan, Akhil Chandran, Anju A.V, Veena Rajendran, Biju Jacob**<br>Optimization Of Batch Foam Separation Technique For Removal Of Synthetic Food Colours Viz. Orange Red And Apple Green From Dilute Aqueous Solutions Using Ctab As Collector |
| 2 | ES/0020 | **Sagar Kavathia, Parin Shah**<br>Coagulating And Flocculating Hybrid Material For Wastewater Treatment: Current Status And Future Potential |
| 3 | ES/0021 | **Tejas P. Sagar, Parin D. Shah**<br>Adsorptive Removal Of Hazardous Waste Materials Using Metal-Organic Frameworks (Mofs) |
| 4 | ES/0022 | **Malav C. Sukahdia, Parin Shah**<br>Bimetallic Fe-Nanoparticles For The Catalytic Elimination Of Environmental Pollutants |
| 5 | ES/0044 | **Taranjeet Kaur, Abhishek Sraw, R K Wanchoo And Amrit Pal Toor**<br>Degradation Of Propiconazole In Slurry Mode By Using Doped Tio2 Under Uv And Sunlight |
| 6 | ES/0047 | **Rana Ajay, Panchal Sumita**<br>Arsenic Management Of Water In Over View |
| 7 | ES/0056 | **Neeta Sharma And Manish Kumar**<br>Copper Oxide Nanoparticles As Adsorbent For Removal Of Cu2+ |
| 8 | ES/0061 | **Vignesh K , Devakumar M , Sivaram P M , M.Subramanian**<br>Carbon Footprint Analysis Of An Educational Institution |
| 9 | ES/0077 | **Roshan Khamkar, Pravin Tadkar**<br>Industrial Waste Management |
| 10 | ES/0084 | **Hafila M Sheeba Jose**<br>Use Of Moringaoleifera(Drumstick) Seed As Natural Absorbent And An Antimicrobial Agent For Ground Water Treatment |
| 11 | ES/0086 | **Santosh Bhukal, Suman Mor, Sonal Singhal**<br>Efficient Removal Of Organic Pollutants And Toxic Dyes From Synthetic Wastewater, Employing Magnetic Nano Ferrites. |
| 12 | ES/0091 | **Amandeep Kaur And Sushil Kumar Kansal**<br>Photocatalytic Degradation Of Non Steroidal Anti-Inflammatory Drug Using Metal Oxide Based Nanoparticles |
| 13 | MT/0007 | **K.Kumaraswamy, P.Vijetha, Y. Prasanna kumar,V.Gitanjali,V.Sushmitha**<br>Masstransfer, Kinetic & Equilibrium Studies For The Removal Of Chromium Using Mixed Adsorbents |
| 14 | MT/0008 | **K.Kumaraswamy,Y. Prasanna Kumar, K.Divya, S.Ganesh, M.Sravani**<br>Kinetic And Equilibrium Studies For The Removal Of Congored Using Mixed Adsorbents |
| 15 | NT/0015 | **Pinki kashyap Virender Yadav Mamta Bhagat Dheeraj Ahuja**<br>Comparative Study for Equilibrium Adsorption of Methylene Blue (MB) Dye from Waste Water Using Grass and sugarcane bagasse Cellulosic NanoFibers |
| 16 | DY/0005 | **Priyank Soni**<br>Electrocoagulation process for Treatment of Disperse and Reactive Dye waste water |

## PARALLEL SESSION – I(POSTER)

**Chemical Industries[CM+DY+FZ+PE+PP+PT+PU+TX]**

## 28TH DECEMBER 2014

## 04:30 PM – 6:00 PM Venue: Ground, S.S.B. U.I.C.E.T

| | | |
|---|---|---|
| 1 | CM/0001 | **B. Pitchumani , Vikram Golcha , and D.P.Gokul Vinoth**<br>Image Analysis To Save Energy In Hammer Mill Grinding Of Talc |
| 2 | CM/0002 | **B. Pitchumani , Anshuman Mishra and Sudip K. Pattanayek**<br>Effect Of Size Distribution And Shape On Flowability Measured As Hausner Ratio |
| 3 | DY/0004 | **Sayali Gholap, Palas Borkar, Aditya Wadgure, Dr V L Gole**<br>Process Intensification Of Degradation Of Dyes Using Microwave-Photo Reactor |
| 4 | FZ/0002 | **Shashank Bahri , Divyanshu Arya , Paresh Butolia and Sreedevi Upadhyayula**<br>In Situ Conversion Of Rock Phosphate And Urea Into Phosphatic Fertilizer |
| 5 | PE/0006 | **Nimish Shah, R. K. Mewada, Tejal Mehta**<br>Preparation Of Polymeric Nanoparticles For Drug Delivery |
| 6 | PE/0015 | **Appu V Prasad, Anupriya V**<br>Production Of Aromatic Polyester Polyol From Pet |
| 7 | PE/0017 | **Aditya Lomate, Ravi Pokharkar, Rajat Bahade**<br>Extraction Of Fuel From Waste Plastics |
| 8 | PE/0018 | **Lad Prajakta, Lokanath Nidya, Dinde Nikita, Tadkar Pravin**<br>Waste Management Of Polymers |
| 9 | PE/0023 | **Prashant Srivastava , Shishir Sinha**<br>Comparative Study Of Thermal Degradation Of Polymers |
| 10 | PE/0024 | **Preeti Mahajana and Anupma Thakurb**<br>Polymer Polymer Miscibility In Chitosan/ Poly(Ethylene Oxide) Blends Using Viscometry Technique |
| 11 | PE/0026 | **Akash Shirsath, Rajat Kawade, Deepak tripathi**<br>Different Parameters Affecting Btc Of Pekk Production |
| 12 | DD/0112 | **Priya Pal and Najam Sardar**<br>Studies On Solution Behavior Of Polyacrlyic Acid (PAA) In The Presence Of Additives |
| 13 | PP/0004 | **Gopika S Kumar, Geethu. M , Greeshma S**<br>Production On Biodiesel Based On Alkali Based Transesterification Reaction |
| 14 | PP/0005 | **Arpit Parikh, Ronak PateL , Milind Joshipura**<br>Development Of Software For Design Of Cyclone Separator |
| 15 | PP/0011 | **Wadkar Nishikant B., Wadkar Ravindra N.**<br>Production Of Butanol And Ethanol From Fermentation Of Bagasse |
| 16 | PP/0015 | **Dehariya Pooja , Talashi Arushi, Patil Mansi**<br>Review On Hydrogen Production |
| 17 | PP/0019 | **Kumari Kalpana, Ashraf Mateen**<br>Optimization Of Refinery Configurations |
| 18 | PP/0020 | **Manasvi Arora**<br>The Role Of The Merox™ Process In The Era Of Ultra Low Sulfur Fuels |
| 19 | PT/0004 | **B. Pitchumani, Janish Golcha, Aditya Singh**<br>Analysis Of Industrial Centrifuge |
| 20 | PU/0003 | **V. Chandrakanth, M. Sreeharsha, Vedprakash, R. B. Adusumalli**<br>Assessment Of Quality Control Parameters In Pulp And Paper Industry |
| 21 | PU/0004 | **Harsha M. S. ,V. C. Kanth,R. B. Adusumalli**<br>Pulp And Paper Industry: Quality Control Parameters Assessment |

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| **22** | **TX/0001** | **M.Venkata Ratnam, M.Balaji and Meena Vangalapati**<br>Coagulation And Flocculation For Textile Effluent: APretreatment Technique |
| **23** | **DD6/0022** | **Mohd Moiz Khan**<br>**Production Of Biodiesel By Heterogeneous Catalyst** |

## PARALLEL SESSION – I (POSTER)

**BIO BASED TECHNOLOGY[AB+BC+BT+NP+CT]**

## 28TH DECEMBER 2014

**04:30 PM – 6:00 PM** **Venue: Ground, S.S.B. U.I.C.E.T**

| | | |
|---|---|---|
| **1** | AB/0002 | **Pardeep Singh, Pranav D. Pathak, Sachin A. Mandavgane**<br>Use Of Sonication For Removal Of Brilliant Green Dye From Aqueous Solution |
| **2** | AB/0003 | **T N S S Bhasker, M V P S Abhishek, E Sathwik Reddy, K.V.Nagalakshmi J V S Murthy**<br>Optimization And Studies On Extraction Of Palmarosa Oil By Steam Distillation |
| **3** | AB/0010 | **Naikwadi Prashant, Kamthe Priyanka, Tadkar Pravin**<br>Sustainable Technology For Epoxidation Directed Towards Plant Oil |
| **4** | AB/0012 | **Manisha B. Ahire And Sunil S. Bhagwat**<br>Synthesis Of Activated Carbon From Bagasse Pith For Removal Of Methylene Blue Dye From Industrial Effluent |
| **5** | BC/0008 | **Gadekar Pratiksha, Sathe Kapil, Nemade Tushar**<br>Microbial Enhanced Oil Recovery |
| **6** | BC/0011 | **Aman Arora, Aparna Mohan**<br>Enhanced Oil Recovery And The Use Of Biosurfactants In Meor |
| **7** | BC/0013 | **Padmaja Hanumanthu, Sruthi Saladhula,Dr. Meena Vangalapati**<br>Extraction, Modeling And Purification Of Flavonoids From Zephyranthes Candida |
| **8** | BT/0011 | **Jagruti Panchal, Div Patel, Rizwana Mogal**<br>A Sustainable Technology For Air Pollution Abatement |
| **9** | BT/0018 | **Swapnil V. Pakhale And Sunil S. Bhagwat**<br>Application Of Three Phase Partitioning (TPP) For The Purification Of Serratiopeptidase |
| **10** | BT/0019 | **D.V Surya Prakash And Meena Vangalapati**<br>Determination Of Partition Coefficient For Chebulinic Acid Extraction From Various Extracts Of Terminalia Chebula Species |
| **11** | NP/0002 | **Priyanka Arora, Chinmoy Baroi, Ajay K. Dalai**<br>Techno-Economic And Ecological Impact Studies Of Crude Glycerol<br>Purification Processes |
| **12** | NP/0007 | **S.Jana , S. Basu , A. Chakroborty, N.K. Brahma**<br>Control Of Bioreactor To Study Microbial Growth For Biotechnological Activates |
| **13** | NP/0027 | **Preeti Singla,Neetu Goel, Sonal Singhal**<br>Theoretical Investigation On The Acetylene Functionalization Of Bnnts. |
| **14** | DD/0111 | **Kanchan Sharma, Sanjeev Gautam, Manohar Lal And Navdeep Goyal**<br>Transient Photoconductivity In Chalcogenide Se80-Xte20bix Thin Films |
| **15** | HT/0011 | **Kulwinder Kaur , Ranjan Kumar**<br>Theoretical Study Of Magnesium Silcide Thermoelectric Material |
| **16** | CT/0005 | **Monica Mangla, Meenakshi Goyal, Ganga R Chaudhary And Madan L Sharma**<br>Influence Of Surface Chemistry On The Adsorption Of Auramine-O By Activated Carbons |

## PARALLEL SESSION – I (POSTER)

**FT: Food Technology and Food Security**

## 28TH DECEMBER 2014

## 04:30 PM – 6:00 PM Venue: Ground, S.S.B. U.I.C.E.T

| | | |
|---|---|---|
| 1 | FT/0001 | **Grace Ben Jacob, Neethu B S, Sinu Sunny, Vishakha V, Biju Jacob**<br>Analysis Of Drying Behavior Of Protein Precipitates From Coconut, Soybean And Peanut By Various Drying Techniques |
| 2 | FT/0007 | **Pranali P. Chiplunkar, Amit P. Pratap**<br>Synthesis Of Hydroxylated Lecithin As An Emulsifier |
| 3 | FT/0011 | **D. Thakur, A. Jain, G. Ghoshal, O. P. Katare, U. S. Shivhare**<br>Optimization Of Microencapsulation Process Using Dynamic Light Scattering Behavior, In-Vitro Dissolution And Rheological Characterization Of Selected Gum/Protein Ratio's |
| 4 | FT/0014 | **S.G. Joshi, P. Kadam, S.T. Mhaske, U.S. Annapure**<br>Characterization And Rheological Studies Of Tkp |
| 5 | FT/0015 | **Ravi Ranjan**<br>Image Processing Of Rice Sample |
| 6 | RH/0005 | **Rahul P. Rathod, Pravin Kadam, Uday S. Annapure, S. T. Maske**<br>Rheological Analysis Of The Dough Prepared Using The Blend Of Rice And Lentil Flours |
| 7 | RH/0007 | **Shyam Kumar, Nikhil Nambiar, Shikhar Tripathi**<br>Effect of coal particle size distribution on the rheology of coal–water |