

## **SCHEMCON-2018 Oral Sessions Schedule**

Allotted Classrooms:

H104, A203, A220

H103, A205

A104, A206

A152, Polymer Dept. Conference room

(Represented in map at the end of document)

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date 26/10/2018</b>				
<b>Topic: Biomass and waste recycle oral/ 01</b>				
<b>Sr. No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom No</b>
<b>Slot 1 from 10.45 a.m. to 12.15 p.m. (90 min)</b>				
1.	O/01/01/01	D Pranita Rao	Valorization of Jackfruit Seeds and Peels: A Biorefinery approach	A203
2.	O/01/01/02	Anushree Mittal, Ashwini Kumar Soni, Surya Prakash Sahu	Green Technology	A203
3.	O/01/01/03	Anesa George, Emilin James, Sandra Ann Jacob, Sneha Rapheal	Development of herbal mosquito repellent	A203
4.	O/01/01/04	Aurosikha Das., Amrit Pritam Rout. S. Meenakshi , Deepsikha Datta., Bimal Das., Gopinath Halder	Extraction of Nano-Silica from Agricultural Waste Rice Husk - Its Characterization, Modification and Application	A203
5.	O/01/01/05	Shejal Singh., Saakshy Satish Shukla, B R Natarajan.	Feasibility of Nanocellulose Production-A Review	A203
6.	O/01/01/06	Deeksha Pandey, Rajnish Kumar Singh, Ashish N. Sawarkar	Physico-chemical Characterization and Kinetics of Thermo-chemical Conversion of Petcoke through TGA	A203
7.	O/01/01/07	Rishabh Tiwari, Satwik, Satyam Rai	Graphene: The Future of Energy	A203
8.	O/01/01/08	Dheeraj Aryan, Manish Bhargav, bhuvana chandrika, Sai harshit.	Effect Of Temperature On Hydrolysis Of Cellulose	A203
9.	O/01/01/09	Devyanshu, Harshvardhan Shrivastava	Fibre separation from groundnut shell by hydrothermal method & applications	A203

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date: 26/10/2018</b>				
<b>Topic: CFD oral/02</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom No</b>
<b>Slot 1 from 10.45 a.m. to 12.15 p.m. (90 min)</b>				
10.	O/02/01/01	T. Kavya,N. Anusha, V.V.L. Deepika, S.L. prasanna,	Beetroot drying kinetics using microwave oven and its comparison with conventional drying	A206
11.	O/02/01/02	Chaitanya Goswami, Shubham Kumar, Sudipto Sarkar and Anamika Paul	Pseudoplastic fluid flow over a pair of tandem and side-by-side cylinders in laminar unsteady regime	A206
12.	O/02/01/03	Saumya Nair, Aswin N, Prarthana Chakrabarty, Anirban Roy	Computational Fluid Dynamics Study of Blood flow through Blood Vessel with Atherosclerosis	A206
13.	O/02/01/04	Hrishikesh M. Mhatre., Rashmi P. Dinde	Determination Of Gas Holdup Using Multiphase Reactors	A206
14.	O/02/01/05	Pranal P. Ambre, Shritej J. Chile, Sandip H. Gharat	Effect of Height of Fall on Coke Collapse in a Blast Furnace	A206
15.	O/02/01/06	Jayesh Mapara, Krutika Vanmali, Sanket Bhutkar	Phase Behaviour and Thermodynamics Model Parameters in Simulations of Extractive Distillation for Azeotrope Separation	A206
16.	O/02/01/07	Mr.Shivanand M Teli, Mr. Viraj S Pawar	Investigation of Mass Transfer Coefficient and Bubble Size Distribution in Stirred Tank Reactor using Dual-Rushton Impellers”	A206
17.	O/02/01/08	Hemant Kumar Jaiswal	Simulation and comparison between various composition of cathode materials of lithium by ANSYS multi physics	A206

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date 26/10/2018</b>				
<b>Topic: Separation processes oral/03</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom No.</b>
<b>Slot 1 from 10.45 a.m. to 12.15 p.m. (90 min)</b>				
18.	O/03/01/01	Anand Singh, Rohan Thakur, Abhishekh Ghate, R.P.Nimbalkar	A brief study of LCA of Citrus family and the effect on Absorption of Carboxylic Acid	A104
19.	O/03/01/02	Gautam S Jacob, Swathinath P Unnithan, Avatar N Poduval, Joseph D'Costa, Dr. Anu Namboothiri	Extraction of valuable metals from e-waste using hydrometallurgy	A104
20.	O/03/01/03	Sameera V, Vandana K, Nilima M, Chitra Rao K., Akash A, Anomitra S, Amit Keshav	Equilibrium studies of citric Acid Using Reactive Extraction with Different Diluents	A104
21.	O/03/01/04	Sumedh Wankhede, Basavraj Patil, Sanket Khaire	Study of Concentration of $\beta$ -Carotene from Carrot Extract Using Polymeric Hollow Fibre Membrane	A104
22.	O/03/01/05	Virajsinh Atodariya, Rudra Kansara and Jigesh Mehta	Study On Effective Cleaning Strategies In a Membrane Separation Processes	A104
23.	O/03/01/06	Manish Kumar Sinha, Amit Vaghasia, Yagna Hirpara, Maaz Maniar	Fabrication of Easy Cleaning Ultrafiltration Membrane with Thermo Responsive Property	A104

**Schedule of Oral Sessions in SCHEMCON-2018**

<b>Date 26/10/2018</b>				
<b>Topic: Plastic and Polymer oral/04</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom No.</b>
<b>Slot 1 from 10.45 a.m. to 12.15 p.m. (90 min)</b>				
24.	O/04/01/01	Y. Nagaraju Kumar	Synthesis of Bio-Plastic From The Banana Peel	A205
25.	O/04/01/02	Shivani.P, Harika Sreepada	Biodegradation of Polyurethane by Fungi	A205
26.	O/04/01/03	Dipin Jitendra Meghnani, Anshita Gahlot, Natasha Ture and Prof. Sudhir S. Gandhi	Preparation of Bio-Plastic from Organic Substances or Waste	A205
27.	O/04/01/04	S.Meenakshi, Aurosikha Das. , Amrit Pritam Rout, Deepsikha Datta, Aparna Mukherjee, Gopinath Halder.	Enhancing the Durability and Flame Retardancy of Rice Straw by Polymer Grafting of Acrylonitrile	A205
28.	O/04/01/05	Mayur S. Prabhudesai, Pavan M. Paraskar, Prof. Ravindra D. Kulkarni	An Alternative Approach to Greener Polyurethane	A205
29.	O/04/01/06	A. Srivastav, S.S. Mishra, D. Datta, G. Halder	Study of Mechanical Properties and Degradation Rate of Polyblend Prepared by Indigenous Mixing of LDPE with Corn Starch	A205
30.	O/04/01/07	Harsh bajpai, Medha Agrawala, Shipra Upadhyay, Shiv Mohana, Dharm Pala	Biodegradability, Mechanical Strength and Flexibility of Conventional Plastics Using Nanotechnology	A205
31.	O/04/01/08	Nitika Parashar, Kirti Sachdeva, Dr Haripada Bhunia and C.V Chaudhari	Creep and Recovery Compliance in Silica Filled Ethylene-Propylene-Diene Rubber	A205
32.	O/04/01/09	Aishwarya P Satapute , Vinutha Moses	Toward Bio-Plastic: Production of 2,5 furandicarboxylic acid from 5- Hydroxymethylfurfural	A205

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date 26/10/2018</b>				
<b>Topic: Process Intensification and synthesis oral/ 05</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom No.</b>
<b>Slot 1 from 10.45 a.m. to 12.15 p.m. (90 min)</b>				H103
33.	O/05/01/01	Praveen kumar P, Somusundar KG, Vishwanathan .P	Sweetener from blossom of cocous nucifera as replacement of existing artificial sweetener	H103
34.	O/05/01/02	Akhil Prasanna Kumar, Ajmal Ashraf, Roshan I, Melvin Alexander, Anakha Dilkumar, Prof. Adil Mohammed	Design of Handy Photo Bioreactor for Spirulina-Platensis Cultivation	H103
35.	O/05/01/03	Anand Singh, Rohan Thakur, Abhishekh Ghate, R.P.Nimbalkar	A brief study of LCA of Citrus family and the effect on Absorption of Carboxylic Acid	H103
36.	O/05/01/04	Gowri Shankar, Rajat Subramanian, Lakshmi Sasidharan , Rakshita and Pavithra Venkataraman	Eco Friendly and Economic Technique For Textile Sizing	H103
37.	O/05/01/05	Prachi Badge, Ankita Pashine, Piyush Mate ,Mr. Sandeep Shewale	Design of Liquid Soap Pilot Plant	H103
38.	O/05/01/06	Paritosh C Kulkarni, Satya Deepika Neelapala, Harshini Dasari	Sm 1-x Tb x FeO 3 perovskite type oxides for Soot Oxidation Reaction	H103
39.	O/05/01/07	Mihir Kulkarni, Digvijay Nikam	Nano-structured Selenium Coatings as Anti-Cancer Agent for Orthopaedic Implants	H103
40.	O/05/01/08	Raghav Ramraj Poduval, Akash Gaykar, Apurva Salunkhe	Multilayered Pd nanocatalysts with nano-bulge structure in a microreactor for multiphase catalytic reaction	H103
41.	O/05/01/09	Alisa Chakraborty, Sanjay M Mahajani	Synthesis of carbon nanoparticles by chemical vapour deposition	H103

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date: 26/10/2018</b>				
<b>Topic: Water Treatment/ 06</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom</b>
<b>Slot 1 from 10.45 am. to 12.15 p.m. (90 min)</b>				
42.	O/06/01/01	Shubham Chavan, Mandar Bakave, Saurabh S. Patil, Sudesh Ayare	Degradation of pesticides present in aqueous solution using electrochemical oxidation process	H104
43.	O/06/01/02	Kesha Shah, Ayshpreet Kaur Vilku and Devyanshu Sachdev	Sewage treatment by the process of filtration and electrolysis	H104
44.	O/06/01/03	Shriya P. Phukane, Dr. Shailesh Ghodke	Water Treatment using Magnetic Nanoparticles	H104
45.	O/06/01/04	H. Ramesh,J. Harshitha	Removal of Lead in wastewater from battery industries by Photocatalytic and Sonochemical treatment	H104
46.	O/06/01/05	A. Sarmah, A Shanker,A. Pandey,S. Srivastava,S. Kamsonlian	Harvesting of Algae from Wastewater using Electrocoagulation Process	H104
47.	O/06/01/06	Subham Jain,Anant Maheshwari,Vishal Agrawal and Arup K. Ghosh	Analysis and treatment of Arsenic contaminated water	H104
48.	O/06/01/07	Suyash Oka,Nitin Thombre,Rohit Gulia	Study of performance of polyamide membranes in nanofiltration for the recovery of water from aqueous dye effluent	H104
49.	O/06/01/08	Sauptik Datta,Priyanka Ghosh,Lipika Das	Degradation of pharmaceuticals through photocatalysis using Carbonaceous TiO <sub>2</sub> composite	H104
50.	O/06/01/09	Ganesh S. Phopse,Sudesh D. Ayre ,Tushar M. Satpute ,Omkar V. Sawardekar	Design of Photocatalytic Reactor	H104

## Schedule of Oral Sessions in SCHEMCON-2018

**Date 26/10/2018**

**Topic: Biomass and waste recycle oral/ 01**

Sr.No	Code	Group members	Title of presentation	Classroom No.
<b>Slot 2 from 3.00 p.m. to 5.30 p.m. (150 min)</b>				
51.	O/01/02/10	S.S. Mishra, A. Srivastav, D. Datta, B. Das	Waste Fish Scale (Labeo Rohita) Utilization for Organic Bio-Filler Production	A203
52.	O/01/02/11	Prakriti Gupta, Sudipti Easwaran., Rahul Vaidya., Mark Philip.	Recycling of Agricultural Waste to produce Value Added Product	A203
53.	O/01/02/12	Monika K.Giradkar, Jyotsna S. Ekbote, Tejas T. Limbani, S. S. Gandhi	Utilization of CO2 for Algae Production Using Photobioreactor	A203
54.	O/01/02/13	Umair Deshmukh, Swapnil Kavitar, Saurabh Patil and Mohd. Moiz Khan	Reclamation of Waste Foundry Sand Using Hydrochloric Acid and Industrial Effluent	A203
55.	O/01/02/14	Parth Samariya & Saakshy Agarwal	Recycling of Waste Paper through Deinking	A203
56.	O/01/02/15	Ankit K. Tripathi, Anju Tiwari, Shreya Singh, Ravi Shankar	Treatment of Plastic wastes by UV Catalyzation and Aspergillus Niger	A203
57.	O/01/02/16	Amrit Pritam Rout, Aurosikha Das, S. Meenakshi , Bimal Das, Deepsikha Datta	Effect of Plastic on Municipal Solid Waste	A203
58.	O/01/02/17	Dheeraj Kumar, Deepak Nikam, Vishnu Bharathan, Prachi Badge, Mr. Vinod Pakhale	Preparation of Activated Carbon Using Coconut Husk Fiber	A203
59.	O/01/02/18	Arjun Shrivastava, Prathit Sharma, Abhishek Sharma	Extraction of Value Added Products from Tyre Derived Oil	A203
60.	O/01/02/19	Damini Futane, S.P. Shewale ,	Vertical Farming with still solution Hydroponics	A203



## Schedule of Oral Sessions in SCHEMCON-2018

61.	O/01/02/20	Akula Kapil Chandra, Akhilesh Subramanian, Sandeep Reddy shetty	Catalytic pyrolysis of plastic waste to energy source	A203
62.	O/01/02/21	Kartik Jain, Saurabh Rathi, Mohd Moiz Khan.	Chemical Reclamation of used foundry sand by sea water	A203
63.	O/01/02/22	Hasini Dosapati	Synthesis & characterization of starch based bio-composite films and their degradation behavior.	A203
64.	O/01/02/23	Harshal Oltikar, Avdhut Kulkarni	Pyrolysis of Scrap Tyre	A203
65.	O/01/02/24	Kulkarni Shivani, Hungund B.S., Gachhi Dhanashree.	Production and optimization of biopolymers: chitin and chitosan from fungal source	A203

**Date 26/10/2018**

**Topic: CFD oral/02**

Sr.No	Code	Group members	Title of presentation	Classroom no.
<b>Slot 2 from 3.00 p.m. to 5.00 p.m. (120 min)</b>				
66.	O/02/02/08	Pratiksha Sondkar, Ankita Pandit and Sandip H. Gharat	Study of Coke Collapse in Quasi 2-D System	A206
67.	O/02/02/09	P. Mondal, S. Bose, C. Das	Catalytic Membrane Reactors with Separate Feed of Reactants: A Review on Novel Reactor and Their Operating Strategies	A206
68.	O/02/02/10	Viraj S. Pawar, Aniket A. Kule and Sandip H. Gharat	Granular segregation in Quasi-2D system	A206
69.	O/02/02/11	Anirudh Venkatesh, Gautami Kelkar, Akash Nogaja	Computational Fluid Dynamic (CFD) studies for Heat Transfer Enhancement in Pipes using inserts	A206

## Schedule of Oral Sessions in SCHEMCON-2018

70.	O/02/02/12	Ali Asger Abbas, Sarthak Das ,Shubham Sawant	Divided Wall Column	A206
71.	O/02/02/13	Iyyappan J., Pravin A, Suresh M	Optimization and equilibrium modeling of Sorption of Nickel from aqueous solution by a cheap sorbent material	A206
72.	O/02/02/14	Jatin Lakhani, Paurush Banwasi, Swapnil Dharaska	Effect of complexation on diffusion of toxic metal ions	A206
73.	O/02/02/15	Sandeep Reddy Shetty, Miryala Prabhat , Bharath Reddy, Sabhavath Raju Naik	Design of pump impeller made of abs plastic	A206
74.	O/02/02/16	Debasree Ghosh, Chandan Guha, Siddha Sharma, Prasoon Kumar	Effect of Thermo-physical properties of PCM on performance of Double pipe heat exchanger for latent heat energy storage	A206
75.	O/02/02/17	Aniket A.Pawar, Bhavesh D. Sutar, Sandip H. Gharat	Flow of Granular Materials in a Simplified Model of Blast Furnace	A206
76.	O/02/02/18	Sushant S. Sutar , Aditya S. Sawant , Prof: Shivanand M. Teli	“Hydrodynamic Studies and Numerical Simulation in External Loop Air Lift Reactor”	A206

**Date: 26/10/2018**

**Topic: Separation Processes oral/03**

Sr.No	Code	Group members	Title of presentation	Classroom no.
<b>Slot 2 from 3.00 p.m. to 5.00 p.m. (120 min)</b>				
77.	O/03/02/07	Waseem Memon, Shawaf Dalwai, Rohit Nalwala	Extraction of Azadirachtin from Neem Seeds	A104
78.	O/03/02/08	Vaibhav Kamath, Aishwarya Kulkarni, Gautham Jeppu	Comparative study of green synthesis of iron nanoparticles using five different leaf extracts for the removal of arsenic	A104
79.	O/03/02/09	Shubham Gawade, Pavan Gawai, Ashish Ekhar, Prof. Amaravti Gode	ATPS systems for extraction of “Phenolic Compounds” from natural resources	A104

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80.	O/03/02/10	Pratibha Salunke, Priya Bhoyar, Rupesh Zope, Prof. Sandeep Shewale	Extraction of Total Antioxidants From natural Sources using Three phase Partitioning (TPP) Process.	A104
81.	O/03/02/11	Ajmal Ashraf, Akash K, Shibin E P, Vikram Kumar	Impact of Ultra Sound Assisted Dehydration and Pectin Extraction from Artocarpus heterophyllus (Jackfruit)	A104
82.	O/03/02/12	Unmesh U. Patil C. Ravikumar.	Mechanism of wrapping of spherical nanoparticles by fluid membranes	A104
83.	O/03/02/13	Kaatham Sreethan Reddy, Karanam Eshwar Rao, Yedla Shiva Kumar, Gillala, Raghavender Goud	Aluminium extraction from coal fly ash	A104
84.	O/03/02/14	Ravi Ranjan, Mohd. Belal Haider, Rakesh Kumar	Carbon Dioxide Absorption in Methyltriphenyl Phosphonium Bromide based Deep Eutectic Solvents	A104
85.	O/03/02/15	Rohit Punjabi and Niraj Rahangdale	Research, development and application of membrane technology in the pulp and paper industry	

**Date: 26/10/2018**

**Topic: Plastic and Polymer oral/04**

Sr.No	Code	Group members	Title of presentation	Classroom no.
<b>Slot 2(A) from 3.00 p.m. to 3.20 p.m. (20 min)</b>				
86.	O/04/02/09	Patil Manish, Dhadve Dipti. And Nalwala Rohit	Synthesis of Polyurethane Using Castor Oil.	A205
87.	O/04/02/10	Pradip waghmare, Hitesh Goyal, Dipali Sharma	Replace Hazardous Plastic And Bring Revolution Through Cassava's Bio plastic	A205
<b>Slot 2(B) from 3.20 p.m. to 5.00 p.m. (water treatment oral /06) (100 min)</b>				
88.	O/06/02/10	Suraj Kale, Vishal Mahanwar, Swarup Patil	Batch Adsorption Using Bagasse Ash For Effective Phenol Removal	A205

### Schedule of Oral Sessions in SCHEMCON-2018

89.	O/06/02/11	Mahima Maheshwari , Sudeep Desai, Shivam Parekh, Pratibha Gautam	Investigation of Colour removal efficiency and regeneration capability of Bagasse, when used as Bio-Adsorbent	A205
90.	O/06/02/12	Kartikeya Sharma, Komal Prasad, Hardil Shah.	Greener Developments In The Process Of Textile Dyeing – A Review	A205
91.	O/06/02/13	Aravind Satish, Sharad M Sontakke, Anirban Roy	Kinetic Modelling Of Photo-catalytic Reactions Involving Nano-TiO <sub>2</sub>	A205
92.	O/06/02/14	Rijo C Andrews, Mukesh Muraleedharan, Roshan I, Piyush Oonnikrishnan, Dr. Anu Namboothiri	Process design for water purification along with energy generation using water hyacinth (eichhornia crassipes): a sustainable development approach	A205
93.	O/06/02/15	Snehal Patil, Atharwa Thigale, Nitin Thombre	COD reduction of industrial effluent by polyamide nanofiltration membranes	A205
94.	O/06/02/16	Abhishek Thakkar, Sunny Agarwal, Viraj Dalsaniya	Utilization of tea waste and cellulosic waste (solid waste) as a powerful and green adsorbent for the adsorptive removal of the reactive dyes and heavy metals from the industrial effluents	A205
95.	O/06/02/17	Sanket Chawke, Asif Rajuri, Shravani Deshpande	Development of Organic Material for Dye Removal from Waste Water	A205
96.	O/06/02/18	Pranita Theurkar, Chayanika Deka, Pratiksha D. Khurpade	Study on Chemical Demulsification of Water in Crude oil Emulsion	A205

**Schedule of Oral Sessions in SCHEMCON-2018**

<b>Date 26/10/2018</b>				
<b>Topic: Process Intensification and synthesis oral/ 05</b>				
<b>Sr.No.</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom no.</b>
<b>Slot 02 from 3.00 p.m. to 5.00 p.m. (120 min)</b>				
97.	O/05/02/10	HariPriya G, Hungund B.S., Hegde Namratha, Desai Savitha	Phytochemical Profiling and Biological Evaluation of Eichhornia crassipes Leaf Extracts	H103
98.	O/05/02/11	Malaya Ranjan Parida, Monalisa Mishra, Ayeshkanta Mohanty	Introduction of TiO <sub>2</sub> Nano Particles in Bio-Based Polyurethane Coating on a Glass Substrate	H103
99.	O/05/02/12	Chayan Jain, Aritra John Chowdhury, Vikram Kadam, Ashish Phatate, Robin Singh, Manish Mudada, Pratiksha D. Khurpade	Experimental Study on Synthesis of Micro-sized Calcium Carbonate and its Utilization	H103
100.	O/05/02/13	Abhilash Arbal, Avanti Choudhari, Shreya Chakole	Food Security and Agronomics	H103
101.	O/05/02/14	Meenakshi Priyadarsini, M.Vivek, Sruthy C Nair	Characterisation and Study of Graphene-Silver (G-Ag) based nanomaterial as an effective Anti-fouling agent	H103
102.	O/05/02/15	Ashik Prince, Kiran Paulson, Ashish Joseph, Abhinav K Nair	TiO <sub>2</sub> Nanosheet-Graphene Oxide Nanocomposite, an Efficient and Easily Recoverable Photocatalyst	H103
103.	O/05/02/16	Manan Shah, Vishal Solanki, Bhavin Poshia, Krishna Peshivadiya	Detailed study of Synthesis and Characterization of Zinc Oxide nanoparticles	H103
104.	O/05/02/17	Pragati Mutt, Swadha Pandey, Gautham Jeppu	Combined removal of arsenic and chromium by green synthesis of iron nanoparticles	H103

### Schedule of Oral Sessions in **SCHEMCON-2018**

105.	O/05/02/18	Kirti Sachdeva, Nitika Parashar, Dr. Haripada Bhunia and Raj Kumar Mondal	Development of CNT reinforced PVDF membranes by non-solvent induced phase separation	H103
106.	O/05/02/19	Maanasa Gopalakrishnan, Ashish Kapoor, P. Sri Sruthi.	Development of Antifading Fabric Dye Solutions	H103
107.	O/05/02/20	Ajay C K, Jassim Ameer Khan , Cedric Sabu, Akhil Raj M, Anu N	Industrial application of rubberised sand concrete for corrosion resistance	H103

**Schedule of Oral Sessions in SCHEMCON-2018**

<b>Date: 26/10/2018</b>				
<b>Topic: Water Treatment/ 06</b>				
<b>Sr.No.</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom no.</b>
<b>Slot 2 from 3.00 p.m. to 5.00 p.m. (120 min)</b>				
108.	O/06/02/19	Priyanka Ghosh, Sauptik Datta, Lipika Das	Development of agricultural waste as low-cost adsorbents for removal of dye	H104
109.	O/06/02/20	Maulik Patel, Nihir Patel, Rutvik Patel, Dhruvi Sadiya	Industrial waste water treatment using hydrodynamic cavitation: vortex diode as a cavitating device	H104
110.	O/06/02/21	Rajashree H. Jawale, Omkar Dapurkar, Parag R. Gogate	Treatment of Atrazine Containing Wastewater Using Cavitation Based Hybrid Treatment Approaches	H104
111.	O/06/02/22	Aishwarya Kulkarni, Gautham Jeppu	Removal of arsenic and fluorides from water with ironmedia, activated carbon and manganese	H104
112.	O/06/02/23	Saurabh R. Tiwari, Rakesh P. Sontakke, Pravin Pardeshi.	Intensification of Laundry wastewater treatment by Hydrodynamic Cavitation	H104
113.	O/06/02/24	Saurabh R. Tiwari, Sachindra R. Sharma, Sandip H. Gharat	Treatment of Municipal Waste Water using Constructed Media	H104
114.	O/06/03/25	Salim Chouguly, Ruchi Yesare, Shivanand Teli	Industrial Waste Water Treatment in an External Loop Airlift Reactor'	H104
115.	O/06/03/26	Neha Mahalle, Samidha Nagulwar. , Rohit S. Khedkar.	Mechanism Of Phytoremediation	H104
116.	O/06/03/27	Kasturi Roy Choudhury, Amrita Paul	Removal of Fluoride Ion from Ground Water Using Modified Mesoporous Alumina and the Effects of Various Organic Solutions	H104
117.	O/06/03/28	Vaishnavi Atilkar, Dr. S. K. Deshmukh	A Review on Polyglu- A Bio flocculant	H104

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date 27/10/2018</b>				
<b>Topic: Process Intensification and synthesis oral/ 05</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom no.</b>
<b>Slot 3 from 9.30 a.m. to 12.00 p.m. (150 min)</b>				
118.	O/05/03/21	Altaf M. Jasnaik, Harsh R. Jain, Akshay V. Badithe	Effect Of Particle Size On Hopper Discharge	H103
119.	O/05/03/22	S.L.prasanna, T.kavya	Development of tea with betel leaf	H103
120.	O/05/03/23	Landge Saurabh ,Parjane Shantanu, Mahajan Shivam	Manufacturing of Graphene	H103
121.	O/05/03/24	Deepika G Rajan, Shubin E P ,Anusruthi S, Ansiya Vahab	Synthesis of multifunctional upconversion NMOFs and imaging in triple negative breast cancer cells	H103
122.	O/05/03/25	S. A. Thakkar, A. S. Chikhalikar, N. A. Padwal	Feasibility study of unit operations for recovery of n-butanol from dilute aqueous solutions	H103
123.	O/05/03/26	Aaryan M. Singh	Agro nano gel	H103
124.	O/05/03/27	Amit Kumar Sahani and Savan Kumar	Biogenic Synthesis of Silver and Gold Nano Particles using Fungal Species	H103
125.	O/05/03/28	Sabthagiri Vasan Bharathraj K	Relative Acidity Measurement of ionic liquids by UV-spectroscopy	H103
126.	O/05/03/29	Akhilesh Mehta, Shivaji Ramesh Rathod and Varsha Vhanakhande	Conversion of Batch Process to Continuous Process For Production of Picric Acid	H103
127.	O/05/03/30	Dhiraj Jain	Microbial load reduction using modified solar conduction dryer with composite filters	H103



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128.	O/05/03/31	Ananya Prakash ,Spandan Dua	“See-through” solar cells for building facades in work culture (STBIPV system): A review	H103
129.	O/05/03/32	Pranav Bhaskara, Tejaswini Daida	Post-Synthetic Modification In Metal Organic Framework	H103
130.	O/05/03/33	Chandanagari manivardhan reddy , Bollam indumathi, Kasala padma goud	Sulphur dioxide (so <sub>2</sub> ) emission control and finding way out to produce sulphuric acid from industrial sulphur dioxide (so <sub>2</sub> ) emission	H103
131.	O/05/03/34	Nilesh S Rajpurohit,Govind V Tak , Ashish V. Mohod	Continous flow with visible light induced reactor using nanoparticles	H103
132.	O/05/03/35	Kaveri Patil, Vidhika Damani	Modification of Adhesives using Nanotechnology	H103

**Schedule of Oral Sessions in SCHEMCON-2018**

<b>Date 27/10/2018</b>				
<b>Topic: Water Treatment/ 06</b>				
<b>Sr.No.</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom no.</b>
<b>Slot 3 from 9.30 a.m. to 12.00 p.m. (150 min)</b>				
133.	O/06/03/29	Mayur Malasure, Kunal Ranjane, Ashish V. Mohod	Intensified degradation of Magenta Dye using Various Advanced Treatment Techniques	H104
134.	O/06/03/30	Y. Shiva Kumar ,V. Raja Rajeshwari,Atla.Ranjith, C.H. Ravali Reddy, P.Ramesh(Asst.Professor)	Statistical analysis of biofilim reactor for purification of sugar industry waste water	H104
135.	O/06/03/31	M.Jabez Isarel, Yathunandh R.R, VarunNavaneeth, J.Harshitha, Karishni Veerabahu.	An Analysis On Removal Of Heavy Metals Using Ultra-filtration	H104
136.	O/06/03/32	S. Gowridharini	Photo degradation of Organic Dyes and Industrial Wastewater in the presence of Layer-type Perovskite material under Visible Light Irradiation	H104
137.	O/06/03/33	Reeja Elsa John, Sandhya K Nair, Sandra Sebastian,Deepak Roy George and Nikhi Maria Raju	Iron modified pomegranate waste as a heterogeneous Fenton catalyst for wastewater treatment	H104
138.	O/06/03/34	Srishti Sridhar, Soreddy Anil Reddy, Mukunda Vani M	Membrane Separation Processes for Purification of Drinking Water and Treatment of Industrial Effluents	H104
139.	O/06/03/35	S. Purna pushkala, R. Rahul	Application of Metal Oxide as Nano adsorbent for Treatment of Industrial Wastewater	H104
140.	O/06/03/36	Harsh Patel, Krusha Patel, Dhwanil Vaghani, Maharshi Joshi, Bharti Saini	Advancement in modification of polysulfone (PSF) membrane for treatment of oily wastewater: A review	H104
141.	O/06/03/37	Abhishek Sontakke, Yashashri Shetye, Ashish V. Mohod	Intensified Wastewater Treatment of Pune River using Advanced Treatment Techniques	H104

### Schedule of Oral Sessions in **SCHEMCON-2018**

142.	O/06/03/38	Vinayak B Rajan, Shubham S Shinde , Ashish V. Mohod	Process Intensified Degradation of Methyl Violet 2B Using modified air bubble oxidation reactor	H104
143.	O/06/03/39	Ashutosh Pandey, Ankit K Tripathi Sarthak Tiwari, Navneet Mishra,	Minimization of the Heavy Metals discharge from the Industries into water bodies by marsh plants ,rice husks and algae	H104
144.	O/06/03/40	Sheethal Haldus, DeviRajendran, AmruthaPreetham C K ,Shilpa C J	Oil Spill Clean Up Using Surface Modified Polymer Forms	H104
145.	O/06/03/41	Bhumika Y Gawande, Harshal Y Ambulkar,Ashish V. Mohod	Combined removal of dyes using ultrasonic and ultraviolet irradiations	H104
146.	O/06/03/42	Hitendra Thakur, Vishakha Lakshete, Shambala Shinde, Veena Shinde	Removal of cadmium from aqueous phase by various natural adsorbents: A review	H104
147.	O/06/03/43	Chanchal Mashalkar, Tejas Duragkar, Harshnil Walde, A. Gode	Degradation of Mordant Red-7 dye in aqueous solution using Hydrodynamic cavitation	H104

## Schedule of Oral Sessions in SCHEMCON-2018

<b>Date 27/10/2018</b>				
<b>Topic: Non-Conventional Fuel oral/07</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	<b>Classroom no.</b>
<b>Slot 3 from 9.30 a.m. to 12.30 p.m. (180 min)</b>				
148.	O/07/03/01	Sayali Chitodkar, Pratik Kivale, Ashish V. Mohod	Intensified Synthesis of Biodiesel: Conventional Approach followed by Ultrasound Irradiation Approach	A203
149.	O/07/03/02	Viswa Raval, Saurabh jha, Kheni Kaushik, Y. C. Rotliwala, Akash Raval	Utilisation of Water Hyacinth for production of Bio-oil through thermal depolymerisation	A203
150.	O/07/03/03	Ishan Joshi, Ved Tripathi, Devang Khara, Dhiraj Balwani	Review on extraction of oil by pyrolysis of waste plastics	A203
151.	O/07/03/04	Shivani A. Sambare, Shyam P. Tekade	Biodiesel Production from Cottonseed Oil in Micro Tube Reactor	A203
152.	O/07/03/05	Rhishikesh R. Bagul	Rapid Conversion of Waste Oils into Biodiesel Using Microwave Radiations	A203
153.	O/07/03/06	Divya Bhatia., Dr. Neha Sharma.	Production of Soya Methyl Ester from Waste Vegetable Oil	A203
154.	O/07/03/07	Pravinkumar Prajapati, Udayan Dabke, Dr. (Mrs) Alpana Mahapatra	Liquid Fuel Generation via Artificial Photosynthesis	A203
155.	O/07/03/08	Malhar Patkar, Akshay Kharat, Shubham Sawant, Pratima Wadhwani	Green electrical power generation using synthesized PVA based membrane by microbial fuel cells	A203
156.	O/07/03/09	Chaitanya Kavale, Deven Warke, Dhanaji Parekar	Chemical Engineering in Conversion of Energy using Thermo-electric Generator.	A203
157.	O/07/03/11	Amit Pednekar, Shyam P. Tekade	Intensification of Hydrogen Generation in Water Splitting Reaction Using Aluminum in Presence of Gallium	A203
158.	O/07/03/12	Dhruv Tramdadiya, Urvish Radadiya,	Production of bio-ethanol from sugarcane trash by concentrated acid hydrolysis	A203

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159.	O/07/03/13	Trilok Patil, Dipesh Patle, Ashish N. Sawarkar	Kinetics of Pyrolysis of Banana Thrash via Iso-conversional Approach	A203
160.	O/07/03/14	Bagde Shubham, Chaudhari Ganesh, Aher Shivam	Production of biofuels from Agricultural Feed:Banana	A203
161.	O/07/03/15	Advaiti P Kolhe ,Dheeraj Kumar, Deepak Nikam , Pratik Solanki	Deoxygenation of biobased molecules by decarboxylation and decarbonylation	A203
162.	O/07/03/16	Mitesh L. Gohil, Prashant P. Gugale, Shyam P. Tekade	Study on Pyrolysis of Waste Plastics under Vacuum in Presence of Zinc Oxide	A203
163.	O/07/03/17	Rayannagari.Rukmini, Velivala Tirumalaiah, Bheemi reddy. Shiva Reddy	Generation of electricity by using lotus shaped solar panel	A203

**Schedule of Oral Sessions in SCHEMCON-2018**

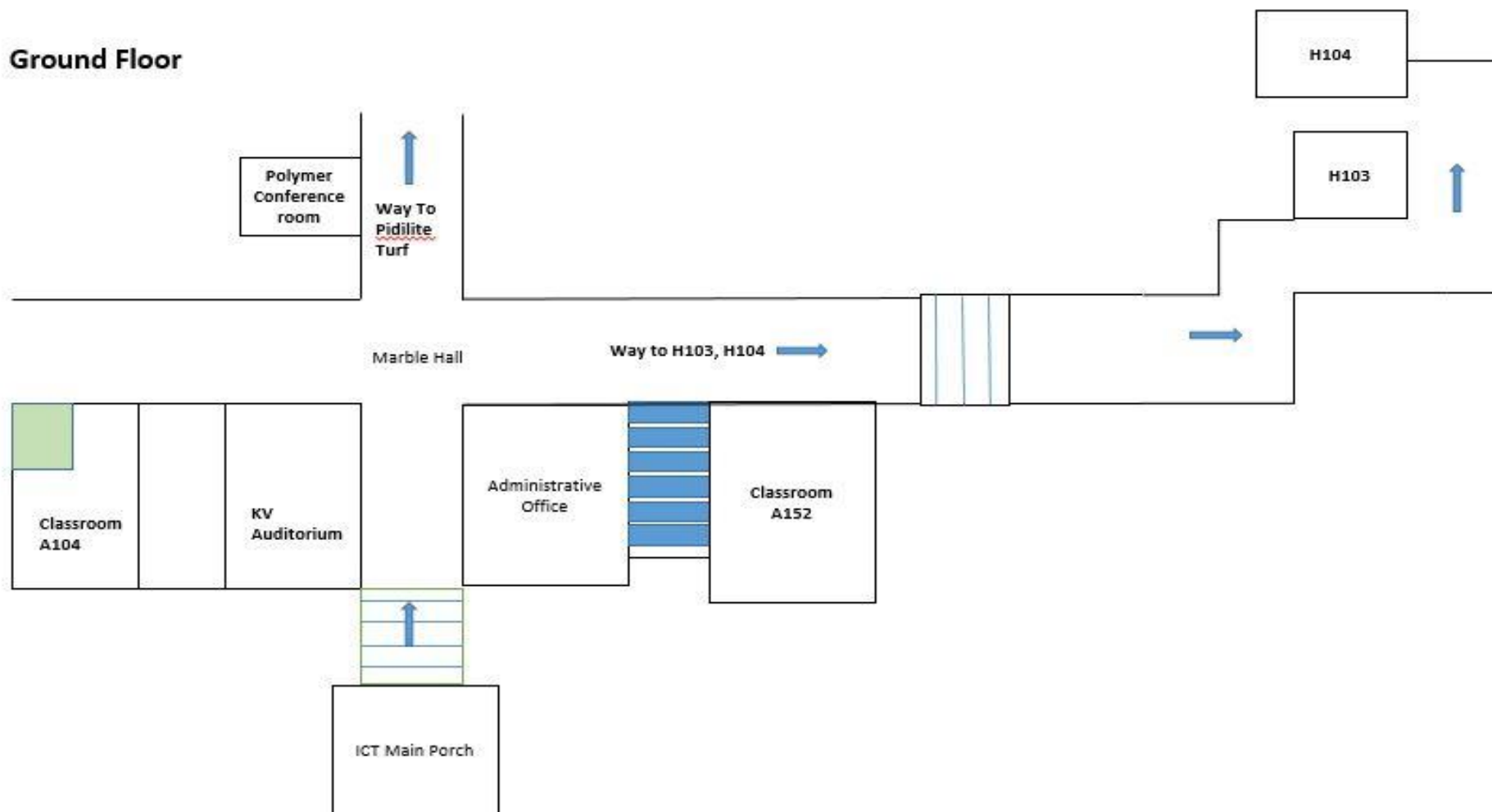
<b>Date: 26/10/2018</b>				
<b>MP Chary award presentations (Venue: Polymer department conference room)</b>				
<b>Sr.No</b>	<b>Code</b>	<b>Group members</b>	<b>Title of presentation</b>	
<b>Slot 1 from 10.45 a.m. to 12.25 p.m. (100 min)</b>				
1	MP/01/01	Akanksha Gavendra and Asima Shaukat	Effect of long term aging on rheological dynamics of clay-polymer colloidal suspension	
2	MP/01/02	H.M. Mouna, S.S. Baral	Bioleaching of Lanthanum from Spent fluid catalytic cracking catalyst by <i>Aspergillus niger</i>	
3	MP/01/03	Pranhita R. Nimbalkar, Prakash V. Chavan, Sandip B. Bankar	Improved efficiency of biobutanol production by metabolic engineering with trace element incorporation	
4	MP/01/04	Manishkumar Yadav	Chiral selective synthesis of single walled carbon nanotubes using floating catalyst chemical vapour deposition	
5	MP/01/05	Khushboo Jain and Neetin Desai	Fermentation of Pomegranate Juice: A Sustainable Approach for the Management of Infected Fruits from <i>Telya</i> Disease	
<b>Slot 2 from 3.00 p.m. to 5.30 p.m. (150 min)</b>				
6	MP/02/06	Shweta Chawla, Padma V. Devarajan	Instantaneous And Cost Effective Detection Kit For Clinically Significant Blood Groups	<b>Venue:</b> Polymer Departm ent Conferen ce Room
7	MP/02/07	Yogesh D. Urunkar	Novel and eco-friendly light weight thermal insulating ceramics from thermal power plant waste	
8	MP/02/08	Vivekananda Sinha, Debabrata Datta , Tessy Vincent	Statistical significance of process parameters and their mutual interactions in a pulsed disc and doughnut column	
9	MP/02/09	Pramod Kothmire V.M. Naik, V.A.Juvekar, Rochish Thaokar	Design Aspects of a Trigrid Electrocoalescer	
10	MP/02/10	Akash Raval, Irshita Patel, Kishorilal Agrawal	A Comparison of Mechanical Properties of Banana Fibre and Dolomite Powder Reinforced With Unsaturated Polyester Resin	
11	MP/02/11	Mohd Moiz Khan, Vithoba Malgaonkar, Rohit Vishwakarma	Chemical and Mechanical reclamation of waste foundry sand	

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12	MP/02/12	Nitin Thombre	Ultrasound assisted cleaning of Polymeric membranes: A hybrid and comparative approach with chemical cleaning	
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Following is the rough sketch of ICT, Mumbai to easily access your venue for presentation.

### 1) Classrooms on Ground Floor: H103,H104,A104, A152



Schedule of Oral Sessions in SCHEMCON-2018

2) Classrooms on First Floor: A203, A205, A206, A220

First Floor

