

Day-1 (18/8/16)

Inauguration
High Tea

(10.00AM -11:30PM)
(11.30AM -12:00PM)

Plenary lecture- 1

S. G. Chatterjee, SUNY College of Environmental Science and Forestry, New York 13210, USA

(12.00PM - 12.30PM)

Plenary lecture- 2

Prof. P. Ghosh, Executive Director, BISR, Jaipur

(12.30PM - 1.00PM)

Lunch Break

(1.00 PM - 2PM)

Technical Session-1A (2.00 - 4.15 PM) Biochemical / Biomedical 1

Paper Code	Title	Time
IP-01	Modeling and Simulation of Two Dimensional Bioreactor used for Production of Functional Food Galacto-oligosaccharides - Pinaki Bhattacharya	2:00 PM to 2:25 PM
IP-02	Selective And Sensitive Detection Of Dopamine By Doped Polypyrrole/Chitosan Stabilized Nano-Ag Modified Electrode, Suparna Saha And Priyabrata Sarkar	2:25 PM to 2:50 PM
IP-03	Lanthanide Cation Incorporated Semiconductor Nanoparticle Luminophores: Photophysics, Surface Capping And Potential Biological Applications, , Prasun Mukherjee	2:50 PM to 3:15 PM
OP-30	Modified polysaccharide-based hydrogels for bone tissue engineering, Luna Goswami , Satish Kumar, Priyanka Choudhury, Abhishek Singh, Sridhar Sanyasi	3:15 PM to 3:30 PM
OP-02	Studies On Preparation And Characterization Of Silver Nanocomposites Combined With Antibiotics, Soni, Saundray Raj; Ghosh, Animesh	3:30 PM to 3:45 PM
OP-03	Synthesis Of Acacia Gum-Based Nano Formulations - Siddiqui Mahtab Z. , Chowdhury Arnab Roy And Ali Mohd	3:45 PM to 4:00 PM
OP-57	Novel biopolyester-multiwalled carbon nanotubes nanocomposite films for chemical vapor sensing – G T Mohanraj	4:00 PM to 4:15 PM

Technical Session-1B (2.00 - 4.20 PM) Modeling and Simulation

Paper Code	Title	Time
IP-04	Thermal Hydraulic Transient Analysis Of PHT System For Hypothetical Loss Of Coolant Accident (LOCA) - Prof. Chandan Guha	2:00 PM to 2:25 PM
IP-05	Application Of ANN In Chemical Engineering - Dr. Sudip Das	2:25 PM to 2:50 PM
OP-04	A Computational Study On The Augmentation Of Heat Transfer From Tube In A Cross Flow - Sagarika , Dhiman S. K.	2:50 PM to 3:05 PM
OP-05	Alkali Assisted Dissolution Of Fly Ash: A Shrinking Core Model Under Pseudo Steady State Finite Solution Volume Condition - Rajak K Dilip , Guria Chandan And Pathak K Akhilendra	3:05 PM to 3:20 PM
OP-06	Application Of Elitist Non-Dominated Sorting Genetic Algorithm For Oil-Well Drilling Optimization - Kumar, Mithilesh And Guria, Chandan	3:20 PM to 3:35 PM
OP-07	Single Wall Carbon Nano-Tube Engendered Polymer Chain Organizations: Molecular Dynamics Simulation - Sunil Kumar , Sudip K. Pattanayek	3:35 PM to 3:50 PM
OP-09	Response Surface Modeling For Optimization Of Co-Cracking Of Jatropha Oil - Biswas Shelly , Sharma Dk , Kumar Rajiv	3:50 PM to 4:05 PM
OP-10	Optimization Of Npk-10:26:26 Based Culture Medium For Cultivation Of <i>Dunaliella Tertiolecta</i> Using Response Surface Methodology - Anup Kumar , Chandan Guria And Akhilendra K Pathak	4:05 PM to 4:20 PM

Tea Break (4:30-4:45 PM)

Technical Session-2A (4:45 PM to 6:20 PM) Environment and Safety

Paper Code	Title	Time
IP-07	pH Responsive Self Assembling From Polymersomes To Aggregates In Hyperbranched Copolymer And Waste Water Treatment Through Host-Guest mechanism - Bandyopadhyay Abhijit, Das Tamalika, and Sengupta Srijoni	4:30 PM to 4:55 PM
IP-08	Adsorption Of The Biological Staining Dye Proflavine By Graphene Oxide : Studies In The Context Of Its Removal From Biological Systems, Dipankar Chattopadhyay	4:55 PM to 5:20 PM
OP- 11	Chemical Corrosion – a silent killer in process industry - Sisir Kumar Chakraborty , Dr A B Biswas, Prof. Bhaskar Das, Prof S K Das	5:20 PM to 5:35 PM
OP-12	Development of fire retardant silica powder - Vibha Shree , A. K. Sen	5:35 PM to 5:50 PM
OP-08	Study Of Tensile Properties Of ABS/ZnO Polymer Composites Using Single And Multiple Optimisation Techniques - Rampuria Samkit, Jayapalan Sudeepan	5:50 PM to 6:05 PM
OP-58	High Dielectric Metal Doped Barium Titanate-Polyimide Nanocomposites Barnali Dasgupta	6:05 PM to 6:20 PM

Technical Session-2B (4:45 PM to 6:15 PM) Mass Transfer

Paper Code	Title	Time
OP-13	Adsorptive Removal Of Cr(VI) From Aqueous Solutions Using Nut Shells - Abhishek Das and Sudip Kumar Das	4:45 PM to 5:00 PM
OP-14	Study Of Adsorption Of Methylene Blue From Aqueous Solution By Chicken Egg Shell Powder - Koushik Ghosh, Dr. Asit Baran Biswas	5:00 PM to 5:15 PM
OP- 15	Comparative Study On Adsorption Of Chloride And Salicylic Acid For Their Preferable Application As Tracer In Sand And Shale Formation - Archana, Keka Ojha	5:15 PM to 5:30 PM
OP-16	Fully Exfoliated Titanate Nanosheet-Functionalized Amylopectin Towardseffective Separation Of Cationic/Anionic Dyes - Amit Kumar Sarkar, Sagar Pal	5:30 PM to 5:45 PM
OP-17	Liquid-Liquid Equilibria Prediction Of Ternary System Using Pc-Saft Model - Prerna; Bharti, Anand; Banarjee, Tamal	5:45 PM to 6:00 PM
OP-18	Analysis Of CO ₂ Sequestration In Low Permeable Geological Formations - Srinivas Anish, K, Prasanna R.Redapangu, Gauri Sankar, Manojkumar Gudala	6:00 PM to 6:15 PM

Day-2 (19/8/16)

Plenary lecture- 3

9:00 - 9:45 AM

Sri Bandyopadhyay, School of Materials Science & Engineering, University of New South Wales, UNSW, Sydney Australia

Plenary Lecture- 4

9:45 -10.30 AM

Prof. Sandip Roy, Chemical Engineering Department, IIT, Bombay, India

Tea Break

10.30-10.45 AM

Technical Session-3A (10.45 AM to 12.45 PM) Polymer Composite

Paper Code	Title	Time
IP-09	Natural Fibre Reinforced Composite - Basubam Adhikari	10:45 AM to 11:10 AM
IP-10	Present Status and Future Challenges of Multifunctional Polymer and Composite Materials - Dibyendu S. Bag , Gobardhan Lal, D. N. Tripathi and N. Eswara Prasad	11:10 AM to 11:35 AM
IP-11	Recent trends in polymer biomaterials and its future prospects Dr. B. C. Mitra	11:35 AM to 12:00 PM
OP- 19	Effect Of Copolymer Functionalized Graphene Oxide at Low Loading on Interfacial, Thermo-Mechanical And Wear Properties Epoxy Nanocomposites - Rohini Rani , K Lasitha, Bose Suryasarathi	12:00 PM to 12:15 PM
OP-20	Debonding Analysis of Adhesive Joints in Carbon-Epoxy Composite Laminates - Raghu Raja Pandiyan Kuppusamy	12:15 PM to 12:30 PM
OP-21	Effect of Surface Treatment of Natural Reinforcement on Vinyl Ester Based IPN Composites - J. K. Ranjan , S. Goswami	12:30 PM to 12:45 PM
OP-46	Interpenetrating Network Formation Of Pvc In Modifying Its Properties, Bhattacharyya Rupa	12:45 PM to 1.00 P.M

Technical Session-3B (10.45 AM to 12.25 PM) Rheology

Paper Code	Title	Time
IP-12	Accurate estimation of shear rate using rotating coaxial cylinder Fann Viscometer - Chandan Guria and Sidharth Gautam	10:45 AM to 11:10 AM
IP-18	Nanocellulose reinforced semi-interpenetrating polymer network of poly(vinyl alcohol) & polyacrylamide biocomposite films for packaging D Chakraborty	11:10 AM to 11:35 AM
OP-22	A Comparative Study On Rheological And Thermal Kinetic behaviour Of Native And Acrylamide Grafted Galactomannans - Soni, Saundray Raj; Ghosh, Animesh	11:35 AM to 11:50 AM
OP-23	Heavy Crude Oil Flow Through Pipelines Using Surfactant - Naiya, T.K., Kumar, R., Banerjee, S., Mandal	11:50 AM to 12:05 AM
OP- 24	A Study On Surface Tension And Rheological Properties Of Sal Oil Methyl Ester Biodiesel And Its Blends With Petrodiesel - Hajra, Bhaskar* ; Kumar, Mithilesh; Pathak, Akhilendra K and Guria, Chandan	12:05 AM to 12:20 AM
OP-25	Comparative Studies On Effectiveness Of Natural And Commercial Surfactant To Improve Rheological Properties Of Crude For Pipeline Transportation - Banerjee, S. , Kumar, R., Mandal, A., Naiya, T.K	12:20 AM to 12:35 PM
OP-26	Isolation, Characterization And Rheology Of Exopolysaccharide From Thermophilic Bacteria - Banerjee, Aparna ; Bandopadhyay, Rajib	12:35 PM to 12:50 PM

Poster Session (12:00 PM - 1:30PM)

Lunch Break 1.30 to 2.15 PM

Technical Session-4A (2.15 - 4.15 PM) Biochemical Biomedical II

Paper Code	Title	Time
IP-13	Biinspired Nanocomposites Dr. Arvind Sinha	2:15 PM to 2:40 PM
IP-14	Selective Sensing of Mercury (II) Ions by Epoxy-based Polymers Dr. Samaresh Ghosh	2:40 PM to 3:05 PM
OP- 27	Prediction Of Temperature Distribution Inside A Tumor During Magnetic Fluid Hyperthermia - Koustov Adhikary, Moloy Banerjee	3:05 PM to 3:20 PM
OP-28	Extra Polymeric Biomaterial From Deep Southern Ocean Isolate <i>Bacillus Stratosphericus</i> : Its Production Optimization, Characterization And Uses - Halder, Urmi; Banerjee, Aparna and Bandopadhyay, Rajib	3:20 PM to 3:35 PM
OP-29	STUDY OF STIMULI SENSITIVE BLEND OF PVA-GELATIN - Deepanjan Datta, Trishna Bal, Sudipta Goswami	3:35 PM to 3:50 PM
OP -31	A comparative study of drug release phenomenon by PVA/Gelatin blends prepared by physical and chemical crosslinking ,Namrata Gummalla, S Goswami	3:50 PM to 4:05 PM

Technical Session-4B (2.15 - 4.15 PM) Surface Coating

Paper Code	Title	Time
IP-06	Technical Aspcts Of Paint Drier---Past, Present & Future Dr. Khanra	2:15 PM to 2:40 PM
IP-16	Development of High Solid Hyperbranched Polymer for Eco-friendly Coating Dr Tirthankar Jana	2:40 PM to 3:05 PM
IP - 17	Protective Coatings For Marine Platforms Dr. Tapan Mahato	3:05 PM to 3:30PM
OP- 32	Towards Achieving Optimum Drier/Anti-Oxidant Dosage Combination For Vegetable Oil-Based Offset Ink Design - Biswas, Mahuya;Bhattacharya, Moumita ;Dey, Munmun; Debnath, Shankhya; Bandyopadhyay, Abhijit	3:30 PM to 3:45 PM
OP-33	Natural coating on Paper Packaging Materials - M F Ansari and N Prasad	3:45 PM to 4:00 PM
OP-34	Natural Polysaccharides based hydrogels in drug delivery: Profress and Challenges - S. K. S Yadav	4:00 PM to 4:15 PM

Tea Break (4:15-4:30 PM)

Technical Session-5A (4:15 PM to 5:45 PM) Food Technology

Paper Code	Title	Time
OP-35	Ozonation For Pesticide Removal From Capsicum Fruits And Its Effect On Nutritional Quality - Swami Saurabh ^a and Singh Shashi Bala	4:30 PM to 4:45 PM
OP- 36	Study Of Application Of Cinnamic Acid Grafted Sodium Alginate In Clarification Of Sugarcane Juice - Rani Priti, Pal Pinki, Mishra Sumit, Pandey Jai Prakash, Sen Gautam	4:45 PM to 5:00 PM
OP-37	Jhingan Gum A Promising Food Additive - Mate Ch. Jamkhokai, and Thombare Nandkishore	5:00 PM to 5:15 PM

OP-38	Cross-Linked Guar Gum Hydrogels For Environmental Remediation - Thombare Nandkishore, Jha Usha, Mishra Sumit and Siddiqui MZ	5:15 PM to 5:30 PM
OP-39	Application Of Lac Resin-Based Coating Formulations For Extending Post Harvest Life Of Ginger - SARKAR, PC & ANSARI, MF	5:30 PM to 5:45 PM

Technical Session-5B (4:15 PM to 5:45 PM) Transport Phenomena

Paper Code	Title	Time
OP-40	Gas holdup in Tapered Bubble Columns using water: Effect of columns diameter with same taper angle and liquid height - Sumit Kumar Jana and Sudip Kumar Das	4:30 PM to 4:45 PM
OP- 41	Computational Study of bed pressure drop in Trickle bed for non-Newtonian liquids - Omar Rahul and Jena Hara Mohan	4:45 PM to 5:00 PM
OP-42	Elutriation in non-Newtonian pseudoplastic liquid fluidization - Samit Bikas Maiti and Sudip Kumar Das	5:00 PM to 5:15 PM
OP-43	Numerical Simulation Of Solidification Process In Spherical Aluminium Cavity - Ghosh Debasree, Guha Chandan	5:15 PM to 5:30 PM
OP-44	Enhanced Effect Of Grafted Polymers On Improvement In Viscosity And Filtration Loss Properties Of Drilling Fluid – Rani Nisha, RaipuriaVivek, Sharma, V. P., Naiya T.K.	5:30 PM to 5:45 PM

Day-3 (20/8/16)

Plenary lecture- 5

Mr. Tridib Sarkar, GM Project, IOCL, New Delhi

9:30 - 10:15 AM

Tea Break

10:15 -10.30 AM

Technical Session-6A (10.30 AM to 1.15 PM) Synthesis and characterization

Paper Code	Title	Time
IP-19	Functionalized Dextrin Based Hydrogels/Microgel /Nanogel: Application Towards Controlled/Targeted Drug Delivery, Dr. Sagar Pal	10:30 AM to 10:55 AM
IP - 15	Corrosion behavior of an eco-friendly passivator Dr. Rita Ghosh	10:55 AM to 11:20 AM
OP-01	Green Synthesis Of Silver Bionanocomposite; A Comparative Study With The Concentration Of Silver Nitrate, Tanmoy Dutta, Asoke Prasun Chattopadhyay, Mahuya Das	11:20 AM to 11:35 AM
OP- 45	Synthesis Of Poly(O-Phenylenediamine) Nano-Fiber With Novel Structure And Properties, Samanta Siddhartha , Roy Poulomi And Karpradip	11:35 AM to 11:50 AM
OP-47	Synthesis And Characterisation Of Copolymers Having Hyperbranched Architecture And Its Potential Application As Binder For Adhesives, Sengupta Srijoni ; Das Tamalika; Ghorai Uttam Kumar And Bandyopadhyay Abhijit	11:50 AM to 12:05 PM
OP- 48	Block Copolymer Micelle Derived From poly (Ethylene Glycol) And Poly (Acrylic Acid) Via Atom Transfer Radical Polymerization, Aniruddha Pal And Sagar Pal	12:05 PM to 12:20 PM
OP- 49	Thermoreversible Gel Assisted Polyaniline: Synthesis And Characterization, Adhikari, Arpita ;A Dutta, Koushik;A Chakraborty, Mukut;B, Chattopadhyay, Dipankar;A*	12:20 PM to 12:35 PM
OP- 50	Dehydration Of Glycerol To Acetol By Phosphate Supported Silica Catalyst, S. Basu , A.K.Sen ,M .Mukherjee, D, Pandey	12:35 PM to 12:50 PM

Technical Session-6B (11.00 AM to 12:00 PM) Energy

Paper Code	Title	Time
IP-20	Petrochemical Business – Indian Scenario Mr. Manoj Kumar Jha, Mr. A V Raghunadhan	10:30 AM to 10:55 AM
OP- 51	Study on Ionic Conductivity Of Nano Doped Salt Composites Of Polyethylene Oxide, Karan, Susmita	10:30 AM to 10:45 AM
OP-52	Inorganic-Organic Nanocomposite Membranes For Polymer Electrolyte Membrane Fuel Cell, Ghosh Priyanka , Ganguly Saibal ² , Banerjee Dipali ³ , Kargupta Kajari ¹	10:45 AM to 11:00 AM
OP-53	Novel Ruthenium Photosensitizer With 4'-Aryl-2,2':6',2"- Terpyridine Ligands For Dye Sensitized Solar Cell (DSSC) Application: Electrochemical And DFT-TDDFT, Mongal Binitendreaa, Bhattacharya Sayantanib, Mandal Tarunc, Sengupta Swaraja, Datta Jayatib, Naskar Subhendu	11:00 AM to 11:15 AM
OP- 54	Synthesis, Characterization, Photoluminescence Property Study And Application Of Thiophene Based Conducting Polymers For Polymeric Light Emitting, Sardar Soumen , Koley Riya ¹ , Ghorai Uttam. K ² And Bandyopadhyay Abhijit ¹	11:15 AM to 11:30 AM
OP-55	Estimation Of Kinetic Parameters And Optimal Synthesis Of Sal Oil Methyl Ester Biodiesel At Elevated Temperature, Sultana, Nazmun ,;Guria, Chandan ² ; And Vinod K Saxena ¹	11:30 AM to 11:45 PM

OP-56	Activity Comparison Of Supported H ₃ pw ₁₂ o ₄₀ (Hpa), An Efficient And Reusable Catalyst For Etherification Of Glycerol With T-Butanol, Magar, Subhash ; Mohanraj, G. T. ; Rode, Chandrashaker; Jana, Sumit Kumar	11:45 PM to 12:00 PM
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Lunch Break 1.15 to 2.00 PM

Valedictory Function- 2.00 P.M

Tea Break (3:00PM - 3:15PM)