

Department of Chemical Engineering, Government Engineering College Thrichur
International Conference on Advances in Chemical Engineering - ICACHE 2015

09 - 11 December 2015

Scientific Program and Schedule of Presentations

Venue: Chemical Engineering Department Seminar Hall

Day 1, 09-12-2015 **1.30 PM to 2.30 PM**

Invited Talk	"Freezing Techniques for Separation of Liquid Mixtures" Dr. K.B. Radhakrishnan, Professor & Head Department of Chemical Engineering, TKM College of Engineering Kollam
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Day 1, 09-12-2015 **Oral Presentation** **Session I**

Paper ID	Author(s)	Paper Title	Time
718	Dinesh A Pund (Jawaharlal Darda Institute of Engg. and Technology, Yavatmal), Dipak T Tayade (Govt. Viderbha Institute of Science and Humanity, Amravati), Anil B Naik (Sant Gadge Baba Amravati University, Amravati)	Density and Ultrasonic Study of Benzothiazole and Chlorobenzothiazole at 298.15K	02.30 PM -02.42 PM
535	Manish Kumar, Yadav V K, Srivastava K K (IIT BHU, Varanasi)	Experimental study of friction factor during convective heat transfer in miniature double tube Hair-pin heat exchanger using water – ethylene glycol mixture	02.42 PM -02.54 PM
714	Shivaji R Dagdale, Gajanan G Muley, (Sant Gadge Baba Amravati University, Amravati)	Synthesis and characterization of a novel nonlinear optical material Mg ₂ Na ₂ ZnB ₄ O ₁₀	02.54 PM -03.06PM
13	Padmavathy K S, Haseena P V (Govt. Engg. College Thrissur), Madhu G (Cochin University of Science and Technology)	A study on effects of pH, adsorbent dosage, time, initial concentration and adsorption isotherm study for the removal of hexavalent chromium (Cr (VI)) from wastewater by magnetite nanoparticles	03.06 PM -03.18 PM
473	Shibli S M A (University of Kerala, Kariavattom Campus), Suma N D (D.B. College, Sasthamkotta)	Development of TiO ₂ -Supported Nano IrO ₂ Composite-Incorporated Ni-P Coating for Sensing Ethanol	03.18 PM -03.30 PM

Tea Break, 03.30 PM - 03.45 PM

Day 1, 09-12-2015 **Oral Presentation** **Session II**

Paper ID	Presenting Author	Paper Title	Time
716	Dhanya A, Aparna K (NIT Calicut)	Synthesis and Evaluation of TiO ₂ /Chitosan based hydrogel for the Adsorptional Photocatalytic Degradation of Azo and Anthraquinone Dye under UV Light Irradiation	03.45 PM - 03.57 PM
489	Sibhi Mohammed, Fasnabi P A, (Govt. Engineering College Thrissur)	Removal of Dicofol from Waste-Water Using Advanced Oxidation Process	03.57 PM - 04.09 PM
734	Deepak Yadav, Ram Prasad, IIT (BHU), Varanasi	Low Temperature De-NO _x Technology-A Challenge For Vehicular Exhaust And Its Remediation: An Overview	04.09 PM - 04.21 PM
713	Agil Abraham Francis (Vimala College, Thrissur), Rejini V O, Soloman P A (Govt. Engg. College Thrissur)	Preparation of Chitosan-Polyvinyl Alcohol Blends and Studies on Thermal and Mechanical Properties	04.21 PM - 04.33 PM
715	Gajanan B Harde (Shri R. R. Lahoti Science College, Morshi, Maharashtra), Gajanan G Muley (SantGadge Baba Amravati University, Amravati)	Study of Spectroscopic Properties of Pure and Nd Doped Ca ₃ La ₂ (BO ₃) ₄ Glasses	04.33 PM - 04.45 PM

Day 2, 10-12-2015 **11.00 AM to 12.00 PM** **Session III**

Invited Talk	"Active Soft Matter to Power Micro Machines" Dr. Sumesh P. Thampi, Assistant Professor, Department of Chemical Engineering, IIT Madras
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Day 2, 10-12-2015		Oral Presentation	Session III
Paper ID	Presenting Author	Paper Title	Time
663	Sminu John , Soloman P A, Fasnabi P A, (Govt. Engg. College, Thrissur)	Study on removal of Acetamidrid from wastewater by electrocoagulation	12.00 PM - 12.12 PM
726	Divya A H, Soloman P A (Govt. Engg. College, Thrissur)	Effects of some Water quality parameters especially Total Coliform and Fecal Coliform in surface water of chalakudy river	12.12 PM - 12.24 PM
661	Manjusha C, Sajeena Beevi B, (Govt. Engg. College, Thrissur)	Mathematical Modeling and Simulation of Anaerobic Digestion of Solid Waste	12.24 PM - 12.36 PM
562	Narasimhan V, Samuel Mani, Jomy Varghese, Manilal A M, Fasnabi P A, (Govt. Engg. College, Thrissur)	Process incentives by the intensification of a conventional biodiesel plant	12.36 PM - 12.48 PM
722	Haseena P V, Padmavathy K S, Rohit Krishnan P (Government Engineering College, Thrissur), Madhu G (Cochin University of Science and Technology)	Adsorption of Ammonium Nitrogen from Aqueous Systems Using Chitosan-Bentonite Film Composite	12.48 PM - 01.00 PM
Lunch, 12.45 PM - 01-30 PM			
Day 2, 10-12-2015		1.30 PM to 2.30 PM	Session V
Invited Talk		"Instability and Patterning of Thin Soft Films: Where ChemicalEngineering Meets Nano Science" Dr. Rabibrata Mukherjee, Associate Professor, Department of Chemical Engineering, IIT Kharagpur	
Day 2, 10-12-2015		Oral Presentation	Session V
Paper ID	Presenting Author	Paper Title	Time
292	Meijo Emmanuel, Saurabh Sahadev (Govt. Engg. College, Thrissur)	Pollution Control of HCL Synthesis Unit In Chloro Alkali Industry	02.30 PM -02.42 PM
339	Naveen A N, Manoj N (Govt. Engg. College, Thrissur)	Rheological and Thermal Analysis of Polystyrene –Kaolin Nanocomposite Prepared By Solution Intercalation Technique	02.42 PM -02.54 PM
532	Ananthu Mohan , Renjanadevi B (Government Engineering College, Thrissur)	Preparation of Zinc Oxide Nanoparticles and it's Characterization Using Scanning Electron Microscopy (SEM) and X-Ray Diffraction(XRD)	02.54 PM -03.06PM
545	Stanly Jacob K, Swathy K S, Abraham P A, Rani Panicker N, Pramanik N C, (Centre for Materials for Electronics Technology, Thrissur)	Nanostructured anatase titania spheres as light scattering layer in Dye-Sensitized Solar Cells	03.06 PM -03.18 PM
643	SusmithaRajan, Saurabh Sahadev, (Govt. Engg. College, Thrissur)	Performance Improvement of Fuzzy Logic Controller using Neural Network	03.18 PM -03.30 PM
Tea Break, 03.30 PM - 03.45 PM			
Day 2, 10-12-2015		Oral Presentation	Session VI
Paper ID	Presenting Author	Paper Title	Time
719	Prakash S Ambhore (SMD High school, Hingoli, Maharashtra), Gajanan G Muley, Anil B Naik (SantGadge Baba Amravati University, Amravati) Anil B Gambhire (Shri Anand College, Pathardi, Ahmednagar, Maharashtra)	Effect of partial replacement of Zn with Cd on optical properties of zinc thiourea chloride (ZTC) crystal	03.45 PM - 03.57 PM

138	Harinarayanan Nampoothiri M G, Manilal A M, Soloman P A, (Government Engineering College, Thrissur)	Control of Electrocoagulation Batch Reactor for Oil removal from Automobile Garage Wastewater	03.57 PM - 04.09 PM
95	Madhuri A Lakhane, Anant L Choudhari, Rajendra SKhairnar, Megha P mahabole, (S.R.T.M. University, Nanded)	Alcohol Sensors based on Stilbite Thick Films	04.09 PM - 04.21 PM
731	Debasis Maharana (IIT Guwahati), Soloman P A (Government Engineering College, Thrissur)	Flameless catalytic LPG combustion and its optimization approach	04.21 PM - 04.33 PM
618	Sari Thomas Maliyekkal (Vimala College, Thrissur), Rejini V O, Soloman P A (Govt.Engg. College, Thrissur)	Preparation of Chitosan CMCBLEnds and Studies on Thermal Properties	04.33 PM - 04.45 PM
717	Anil Naik, Gajanan Muley , SantGadge Baba Amravati University, Amravati	Acoustic and thermodynamical studies of 2-amino-5-nitrothiazole with acetonitrile-water mixture at different temperatures	04.45 PM - 04.57 PM