



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

All the oral presentations will be held in "New Teaching Block (NTB)". Time allotted for each oral presentation is "eight minute" and "three minute" for discussion. All the delegates are requested to adhere to the allotted time, strictly.

Day 2 (21st December 2015)	:	Session I (11.00 to 1.00 pm)
Day 2 (21st December 2015)	:	Session II (4.00 to 6.00 pm)
Day 3 (22nd December 2015)	:	Session III (11.00 to 1.00 pm)
Day 3 (22nd December 2015)	:	Session IV (4.00 to 6.00 pm)



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Photo oxidation/ Catalysis

Session I (NTB-L101)

Chair: Prof. A.V. Adhikari
NITK Surathkal

Co-Chair: Dr. Hari Mahalingam
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	6	Visible light induced ZnTiO ₃ Photocatalyst synthesized by co-precipitation process	Sirajudheen P
2	3	Synthesis of zno based nanocatalyst with palash flower powder for degradation of phenol	RajaniBharati
3	84	Electrodeposition of TiO ₂ /Ni-P Composite Electrodes for Efficient Water Electrolysis	Liju Elias
4	91	Electrocoagulation treatment of whey wastewater using aluminium and iron electrodes	Sangeetha velusamy
5	165	Fabrication of magnetic TiO ₂ nanoparticles for use in photocatalytic applications	Mushtaq Ahmad Rather
6	231	Photocatalytic degradation of congo red dye using silver doped TiO ₂ nanosheets.	Abhinav K Nair
7	278	Effect of TiO ₂ /MgO nanocomposites on the photocatalytic activity towards removal of organic dyes	Dhanya A
8	66	Granular Activated Carbon Supported Titanium Dioxide Photocatalytic Process for Carbofuran Removal	M A Vishnugantha
9	61	Surface modification of Sylgard 184 and silanized surfaces by UV-ozone treatment and hydrophobic recovery	Neha Agrawal
10	39	Calculation of hydroxyl radical concentration-an indirect method	Dr. Snigdha Khuntia



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Transfer Operations-I

Session I (NTB-L102)

Chair: Prof. T.K.Radhakrishnan
NIT Trichy

Co-Chair: Dr. Ruben Sudhakar
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	7	Leaching of copper and kinetic study from spent fertilizer catalyst	Sushmita Sharma
2	33	Cationic dyes sequestration from aqueous phase using bio-surfactant based reverse micelles	Dr. N. Sivarajasekar
3	34	Hydrogen permeation of palladium membranes supported on porous α -Alumina tube	K. Babita
4	105	Studies on drying characteristics of rhizomes of Ginger (<i>zingiber officinale Rosc</i>)	Sangeetha. A
5	111	Kinetic model for an esterification process of acrylic acid with ethanol using homogeneous catalyst	Ghoshna Jyoti
6	136	Batch drying of wheat in a multiple porous draft tube spouted bed	Rajashekhara S
7	160	Esterification of ethanol and maleic acid in packed bed reactor catalyzed by sulfonic acid functionalized silica: Optimization by RSM	Rajkumar S. Sirsam
8	169	Screening of solvents for deacidification of sardine oil	Vaisali C
9	195	Forward osmosis membrane concentration of raw sugarcane juice	Shalini H N
10	252	Catalytic cracking of Glycerol to light olefins	Shivangi Saharawat
11	314	Microencapsulation of C-Phycocyanin by microfluidics	Pradeep H N



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Pollution control

Session I (NTB-L103)

Chair: Prof. Meikap B.C
IIT Kharagpur

Co-Chair: Dr. T. Sekar
Pachiappa's College Chennai

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	5	Assessment of ambient air quality parameters in various industries of Uttarakhand, India	Abhishek Nandan
2	20	Source apportionment of Lead (Pb) And Cadmium (Cd) by chemical characterization of suspended particulate matter	Dr. Atul Balwant Ayare
3	50	Urban air pollution impact and strategic plans –A case study of a Tier-II city.	Dr. Lokeshwari. N
4	69	Study of suspended particulate matter in an educational institute in suburban region, India	Dr. Ramesh Babu Adusumalli
5	159	Optimization of engineering and process parameters for electro-chemical treatment of textile waste water	Abhinav Rai
6	226	Estimation of BOD to COD ratio of organic compounds using specific refraction, molecular number and electro negativity	L Chandra Sekhar
7	315	Secondary treatment of dairy effluents in a trickle bed	M.Ramananda Bhat
8	328	Dew study as an indirect method for assessment of pollutants in the air	Shweta Singh
9	350	A novel hybrid process for the nitrification of ammonia from aqueous medium	Swathi Desiredy
10	360	Characterization and quantification of pollutants emitted from backup diesel generators	Anil Kumar
11	108	Green technology - environmental friendly Technologies in process/fertiliser industries	Sunil M. Kulkarni



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Biotechnology - Upstream Process

Session I (NTB-L105)

Chair: Prof. Sudip Chattopadhyay
NIT Durgapur

Co-Chair: Dr. Smitha Hegde
St. Alloysius College

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	99	Selection of medium and optimization of process parameters for melanin biosynthesis from <i>Pseudomonas Stutzeri</i> HMGM-7	Harsha Thaira
2	112	Unstructured kinetic modeling of glutathione production by <i>Saccharomyces cerevisiae</i> NCIM 3345	Abhinandan Dhavale
3	129	Unstructured modelling and optimization of physical parameters for enhanced xylitol production by <i>D. nepalensis</i> in batch fermentation	Sharon Mano Pappu J
4	185	Statistical optimization of lactic acid extraction from fermentation broth using emulsion liquid membrane	Avinash Thakur
5	201	Experimental design for investigation of pectin extraction using microwave from <i>Helianthus annus</i> head and its characterization	Aswini V
6	204	Role of biosurfactant producing biofilm bacterium in bioremediation of oil	Abraham Peele & Dr. Vidya P
7	205	Production and characterization of hydrophobins from fungal source	Chaitanya Habib
8	227	Enhancing the bioproduction of cellulase by <i>Aspergillus nidulan</i> via medium optimization	Dr.P. Saravanan
9	213	Sustainable utilization of food industry waste and by-products for the production of prebiotic isomaltooligosaccharides (IMO)	Anindya Basu
10	354	Modeling and theoretical analysis of Isomaltooligosaccharide (IMO) production using fed-batch process	Sarma Mutturi



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Adsorption

Session II (NTB-L101)

Chair: Dr. Krupadam
NEERI Nagpur

Co-Chair: Dr. Shiny Joseph
NIT Calicut

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	24	Competitive adsorption of dyes from aqueous solution on coconut coir fibre activated carbon	Abdul Wahid M
2	28	Utilization of an agro waste, groundnut shell ash, for removal of 2,4-dichlorophenoxyacetic acid	Nikhilesh Trivedi
3	44	Isotherm, thermodynamic and kinetics studies for removal of Disperse Orange 25 dye from contaminated water using adsorption on acid-treated red mud	Ratnamala G M
4	154	Adsorptive removal of Cd(II) ions from aqueous solution by ZnCl ₂ -activated carbon: equilibrium and kinetic study	Pawan D. Meshram
5	156	Removal of CO ₂ in a multistage fluidized bed reactor by activated carbon prepared from green coconut shell	Dipa Das
6	218	Two stage removal of phenol using adsorption and biodegradation: kinetics and statistical optimization	DivyaTeja
7	268	Adsorption kinetics for the removal of chromium(VI) from synthetic waste water using adsorbent derived from saw dust, bark ,rhc	Devakinandan swami
8	325	Removal of Chromium (VI) from synthetic solution using chitosan as an adsorbent based on Taguchi Method	Prathima B
9	96	Demineralization study of low grade indian coal by aqueous caustic leaching	Sushanta Kumar Behera
10	376	Comparative study for removal of Cr(VI) using sweetlime peel powder and lemon peel powder in a fixed bed column	N. M. Rane



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Materials

Session II (NTB-L102)

Chair: Prof. Jagannath Naik
NITK Surathkal

Co-Chair: Prof. Narendranath S
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	38	Preparation of thermo responsive PSF ultrafiltration membrane, with cross linked PVCL-CO-PSF copolymer for easy cleaning	Manish Kumar Sinha
2	42	Experimental and FEM analysis on the mechanical properties of Al-8011 alloy reinforced with fly-ash and E-glass fibres	Chetan Kulkarni
3	65	Development of numerical model for fast quenching phenomena of steel plate by spray evaporative cooling	Nisargendu H. Bhatt
4	70	Effects of single, double, triple and quadruple window glazing of various glass materials on heat gain in green energy buildings	Kiran Kumar Gorantla
5	73	Fabrication of multi-length scale wrinkles by buckling of metal thin film on viscoelastic polymeric substrate	Aditya Banerji
6	74	Electric field mediated instabilities in thin elastomeric polymer films	Sumita Sahoo
7	77	Fabrication of ordered nano-droplet arrays by thermal dewetting of pre-patterned PMMA film	Tanweepriya Das
8	164	Study of mechanical properties and microstructure of aluminium alloy reinforced with TiB ₂ , by <i>in-situ</i> technique	Akshay Pujar M
9	304	High performance organic photosensitizers for dye-sensitized solar cells	Dickson D. Babu
10	8	Development of bio-based epoxide from plant oil	Nikhil Sainath Reddy V
11	155	Characterization of Citrus Peels for Bioethanol Production	Indulekha John



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Biotechnology - Downstream Process

Session II (NTB-L103)

Chair: Dr. Sathyanarayana Gummadi
IIT Madras

Co-Chair: Dr. V.R.C Murthy
MIT Manipal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	76	Partitioning studies of nitralase enzyme from <i>Pseudomonas putida</i> in polymer/salt aqueous two phase system	Rashmi B.S
2	78	Aqueous two-phase (acetonitrile- potassium citrate) partitioning of Bovine serum albumin: Equilibrium and application studies	Basavaraj Nainegali
3	104	Mixed surfactant based reverse micelle extraction of Lactose peroxidase from whey.	Sivananth Murugesan
4	144	Evaluation of bio-surfactant mediated Microbial Enhanced Oil Recovery using sand packed column	A Rajesh Kanna
5	142	Optimization and kinetic studies on extraction of algal oil from a marine macro algal source <i>Cladophora fascicularis</i>	Bhargavi Gunturu
6	150	Comparison of solvent extraction and extraction using microorganism for estimation and isolation of total polyphenols from the peels of orange fruit	Prabha Hegde
7	173	Enzymatic concentration of n-3 polyunsaturated fatty acids from Indian Sardine oil	Charanya S
8	317	High-throughput screening of cell repellent substrate chemistry for application in expanded bed adsorption chromatography	VikasYelemane
9	330	Concentration of C-Phycocyanin from <i>Spirulina platensis</i> using forward osmosis membrane process	Shoib Sharief
10	15	Optimization of Na ₂ CO ₃ pre-treatment by RSM approach for releasing reducing sugars from cocoa pod shells	Vinayaka B. Shet



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Transfer Operations-II

Session II (NTB-L105)

Chair: Prof. A.K. Suresh
IIT Bombay

Co-Chair: Dr. Harish Kumar
MIT Manipal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	36	Effect of flopaam as drag reducing agent in fluid flow through pipes	S. Murthy Shekhar
2	98	Experimental studies involving flow visualization over non-circular geometries	Sai Nikhil Velpula
3	168	Soft lithography based replication of Lotus leaf micro-structures on substrates for drag reduction	Ajit Das
4	219	Numerical Study of heat transfer characteristics of nano fluids of varying concentrations in channel containing different geometry	Dilnawaz Mohammad Isthayaq Ul Haq
5	258	A numerical investigation based on heat transfer and fluid flow characteristics of air in a circular tube heat exchanger with inclined ribs	Suvanjan Bhattacharyya
6	273	Experimental study of convective heat transfer and flow characteristics in microtube using Alumina-water nanofluids	Manish Kumar
7	280	Effect of Al ₂ O ₃ /water nanofluid on heat transfer coefficient and pressure drop in plate heat exchanger	Vijayakumartalari
8	284	Thermohydraulic transport characteristics of micro mixer in micro channel	Indraneel Roy Chowdhury
9	62	Characterization of Subabul heartwood and sapwood after kraft cooking	V Nikhil Sainath
10	51	Glycolysis of Poly(ethylene terephthalate) catalysed by metal salt and ionic liquids	P Devi



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Biosorption and Degradation

Session III (NTB-L101)

Chair: Dr. Praveen Vadlani

Kansas State University, USA

Co-Chair: Dr. Prasanna B.D

NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	197	Application of response surface methodology for the optimization of biosorption of cadmium using sea urchin test	D. John Babu
2	242	Biosorption, kinetics and equilibrium studies on removal of hexavalent chromium ions from aqueous solution using defatted neem	K. Abirami
3	262	Optimization of Nickel (II) and Cadmium (II) biosorption on brewery sludge using response surface methodology	Rajeswari M Kulkarni
4	276	Study of removal of Cd(II) from aqueous solution by using pods of dalbergiasissoo as low cost biosorbent	Gulshan kumar
5	277	biosorption of copper from wastewater using <i>Spirulina</i> species	Praphulla Rao
6	332	A study on simultaneous photocatalytic removal of hexavalent chromium and pharmaceutical contaminant from aqueous phase	Dr. Srimanta Ray
7	143	Feasibility of anaerobic ammonium oxidation in the presence of bicarbonate	Anjali Gopakumar
8	152	Optimization of Fluoride removal by Zirconium-Impregnated <i>Chlorella vulgaris</i> using response surface methodology	Poornima G. Hiremath
9	161	Effect of benzothiophene and benzofuran on the biodegradation of benzene: Substrate interaction studies	Akashdeep Singh Oberoi
10	196	Denitration of high nitrate bearing alkaline waste using two stage chemical and biological process	Akshay Jakhete
11	49	Denitrification under aerobic condition in draft tube spouted bed reactor	Dr. Keshava Joshi



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Nanomaterials - Synthesis

Session III (NTB-L102)

Chair: Prof. Nithyananda Shetty
NITK Surathkal

Co-Chair: Dr. P.E. Jagadeesh Babu
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	228	A novel single step sonochemical synthesis of micro-nano size palladium-metal oxides	sivasankaran.s
2	229	A novel single step ultrasound assisted synthesis of nano size metal oxides metal carbides and metal nitrides	Kishor Kumar M J
3	299	Effect of Precursor salt solution concentration on the size of silver nanoparticles synthesized using aqueous leaf extracts of <i>T.grandis</i> Linn f. - A green synthesis route	Aishwarya Devadiga
4	345	Impact of hydrochloric acid on phase formation of titanium dioxide nanoparticles	Swati Aggarwal
5	45	Synthesis and characterization of propylene glycol- alumina based nanofluids	Deepika D
6	100	Synthesis of Ruthenium nano particles by microwave assisted solvothermal technique	Isha Misra
7	175	Sonochemical Synthesis of Poly (Styrene-co-Methylmethacrylate)-HNT's Nanocomposites by Mini emulsion Polymerisation	BurugaKezia
8	294	Biosynthesis, characterization and antibacterial activity of zinc oxide nanoparticles	Dr. Dharmendra Kumar M
9	355	Synthesis and characterization of Mg doped CuO nanoparticles by quick precipitation method	Rintu Varghese
10	367	Studies on process parameters of continuous production of nickel nanoparticles using spiral microreactor	Urvashi Bhivgade



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Modeling, Control and Simulation - I

Session III (NTB-L103)

Chair: Prof. Ravindra Gudi

IIT Bombay

Co-Chair: Dr. Muddu

MIT Manipal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	71	Simulation of hydroperoxide process for the production of propylene oxide	Vaishali V.
2	92	Development of a computational model of venturi scrubber to simulate its performance for Filtered Vented Containment System	Manisha Bal
3	166	Mathematical modelling on particulate removal in multistage dual-flow sieve plate column wet scrubber	Swamy Kurella
4	216	Methanol and water crossover in a passive direct methanol fuel cell: mathematical model	Rajkumar B. Chadge
5	237	Prediction of solubility of CO ₂ in aqueous Alkanolamine(H ₂ O+EAE) system by Kent Eisenberg model	Vaibhav Kulkarni
6	375	Bayesian inference approach to estimate Robin coefficient using metropolis hastings algorithm	Vishal Murmu
7	331	Mathematical modelling of bitumen and oil shale extraction using supercritical fluid	Tanmay Netke
8	267	Tuning of PID controllers for first order unstable systems	Nikita Saxena
9	269	Modelling of interactive multivariable systems for control	Chandra Shekar Besta
10	316	Control of Non-linear system using NEURO-PID and ADAPTIVE FUZZY controllers.	Shubham Gogoria



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Biotechnology – Applications

Session III (NTB-L105)

Chair: Prof. Vaman Rao
NMAMIT Nitte

Co-Chair: Dr. Bharath Raj Guru
MIT Manipal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	63	Industrial applications of caffeine degradation by <i>Pseudomonas</i> sp.	Sree Ahila Retnadhas
2	162	Mesoporous nitrogen containing carbon materials for the simultaneous detection of ascorbic acid, dopamine and uric acid	Anju Joshi
3	171	Nano-aptamer based quantitative detection of Chloramphenicol	Richa Sharma
4	199	Importance of biomass-specific pretreatment methods for effective and sustainable utilization of renewable resources	Dr. Vadlani
5	211	Process integration and intensification for the separation of ethanol from fermented wash in distillery	Dr. Vilas S. Patil
6	250	Solid phase pegylation of uricase	Pooja Nanda
7	296	Impact of copper ions on <i>E. coli</i> ; an electron microscopic study	Arun Augustin
8	364	Anticancer property of silver nanoparticles from the aqueous leaf extract of <i>Ipomoea pes-caprae</i>	Cyrril Joseph
9	370	Optimization of a glucocorticoid encapsulated PLGA nanoparticles for inflammatory diseases	Sriprasad Acharya
10	60	Design and fabrication of miniature bubble column bioreactor for plant cell culture	Sandesh K
11	179	Influence of substrate concentration, nutrients and temperature on the biodegradation of Toluene in a differential biofilter	Roshni Mohan
12	212	Medium optimisation and deep biodesulphurisation of diesel oil by <i>Arthrobacter sulfureus</i>	Asha Rani



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Modeling, Control and Simulation - II

Session IV (NTB-L101)

Chair: Prof. S. Sundaramurthy
PEC, Pondicherry

Co-Chair: Dr. Ashraf Ali
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	128	Modeling and simulation of non-catalytic transesterification of cottonseed oil using visual basic programming	Pradeep Shende
2	109	Simulation of natural convection in diamond shaped cavity filled with air or water	Dorca Polamuri
3	180	CFD Simulation of Biodiesel production in T-shaped Minichannel	Neelam Tondwal
4	245	CFD Simulation of heat transfer using nanofluids in microchannel having dimples and protrusions	K Neelima Chowdary
5	326	extractive distillation simulation for the separation of azeotropic mixture with entrainers using CHEMCAD	Sanjay Shirsat
6	346	CFD simulation of fuel reactor in chemical looping combustion of coal	Kavitha G Menon
7	363	CFD Studies on pressure drop for low Reynolds fluid flows across orifice in similarly shaped microchannel	M. Haritha
8	22	Reducing the environmental hazards by devising reduce recycle reuse system with hybrid black toner	R. Vaira Vignesh
9	4	Modeling and Simulation of a Hybrid Process (Pervaporation- Distillation) using MATLAB	Sohail Rasool Lone
10	347	Analysis of flow behaviour in a Jet Ejectors using CFD Tools	Arumuga Perumal



**INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015**

Department of Chemical Engineering, NITK Surathkal

Energy

Session IV (NTB-L102)

Chair: Er. Sunil Kulkarni
MCF Mangalore

Co-Chair: Dr. Hari Prasad Dasari
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	56	Production of biodiesel from neem oil feedstock using bifunctional catalyst	Sruti Dammalapati
2	64	Influence of feed vapour fraction on the performance of direct methanol fuel cell	Vineesh Ravi
3	118	Electrocatalytic borohydride oxidation by supported tungsten oxide nanoclusters towards direct borohydride fuel cells	Aarti Tiwari
4	298	Experimental studies on electricity production and removal of hexavalent chromium in microbial fuel cell	Arvind Pari
5	319	Experimental studies on performance of Single cell PEM Fuel cell with various operating parameters	Shaik Shadulla
6	333	A study on utilization of latex processing effluent for treatment and energy recovery in microbial fuel cell	Dr. Srimanta Ray
7	145	Optimal off-grid hybrid options for power generation in remote indian villages: Homer application and analysis	Naveen Kumar V.
8	32	Optimization of cassava pulp pretreatment by alkaline hydrogen peroxide using response surface methodology for bioethanol production	A. Sudha
9	85	Pyrolysis kinetics of polymers using thermo-gravimetric analysis	K N Aishwarya
10	272	Kinetic analysis and modeling of pyrolysis of jack wood biomass	Nangarthody Sindhu



INTERNATIONAL CONFERENCE ON ADVANCES IN CHEMICAL ENGINEERING (ICACE-2015),
DECEMBER 20-22, 2015

Department of Chemical Engineering, NITK Surathkal

Nanomaterials - Application

Session IV (NTB-L103)

Chair: Prof. DVR Murthy
NITK Surathkal

Co-Chair: Dr. Vidya Shetty K
NITK Surathkal

Sl.No	Paper Id	Paper Title	Name of the Delegate
1	110	Phytotoxic influence of zinc oxide nanoparticles on growth of <i>Vigna radiata</i>	Kaila Sindhuja
2	55	Effect of blending traditionally synthesized carbon nanoparticles with biodiesel on engine performance	Dr. Shyama Prasad Sajankila
3	255	Comparison of metal oxide nanomaterials: humidity sensor application	CH Ashok
4	351	Study on the effect of sintering technique on the properties of Cu/CNT nanocomposite	KunwarAvanishVerma
5	103	Optimization of chitosan nanoparticles synthesis and its applications in fatty acid absorption	Dr. Ritu Raval
6	119	Pesticidal biogenic biocompatible silica nanoparticles synthesis and evaluation of pesticidal activity against gram pod borer He	G.Grishma
7	121	Biosynthesis of silver nanoparticles using turmeric extract and evaluation of its anti-bacterial activity and catalytic reduction	Sneha Nayak
8	182	Studies on isomerization of palm oil using SAPO catalyst synthesized by hydrothermal process	Shifna Ashraf
9	271	Preparation of self-assembled monolayer of different fatty acid on mild steel: An IRRAS and electrochemical study	Shubha H N
10	14	Extraction of multiple metals from waste printed circuit boards	Nitin Singh