92nd OMICS Group Conference

Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

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International Exhibition and Conference on Water Technologies, Environmental Technologies, and Renewable Energy

February 13-14, 2013 Bombay Exhibition Centre, Mumbai, India



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Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences in related areas under the scheme title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.com

OMICS Group Conferences
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Day 1 February 13, 2013

09:30-10:00 **Registrations**

Conference Hall, Hall No. 5, Bombay Exhibition Centre

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10:00-10:30 **Opening Ceremony**

Keynote Forum

10:30-10:35 Introduction

10:35-11:00 **A. E. Pillay**
The Petroleum Institute, UAE

11:00-11:25 **Eldho T. I**
Indian Institute of Technology Bombay, India

Coffee Break 11:25-11:40

Track 7: Water Environment
Track 8: Environmental Science and Technology
Track 9: Current Approaches in Health and Environment
Track 10: Novel technologies

Chair: A. E. Pillay, The Petroleum Institute, UAE
Co-Chair: Eldho T.I, Indian Institute of Technology Bombay, India

Session Introduction

11:40-12:00 **Title: Innovative nuclear energy source of 30 MW power for distilling desalination systems**
Svyatoslav Ignatyev, Institute for Physics and Power Engineering, Russia

12:00-12:20 **Title: Biodegradation of Phthalate esters using cell-free enzymes**
Sumathi Suresh, Indian Institute of Technology Bombay, India

12:20-12:40 **Title: Evaluation of drip irrigation system in paddy crop: A viable alternate to conventional water management practice in paddy cultivation**
K.V.Ramana Rao, CIAE, India

Lunch Break 12:40-01:30

01:30-01:50 **Title: Innovative application of scientific facts for development of universally applicable water technology for enhanced global food production and environment protection**
R.C. Yadav, Bahir Dar University, Ethiopia

01:50-02:10 **Title: Integrated farming systems for sustenance of environment and rural livelihoods: A review**
M. Muruganandam, Central Soil and Water Conservation Research and Training Institute, India

02:10-02:30 **Title: Biodegradation of Endosulfan by Agrobacterium tumefaciens PT-3**
Sumathi Suresh, Indian Institute of Technology Bombay, India

02:30-02:50 **Title: DEM based approach for modelling coastal urban floods: A case study**
Kulkarni A.T, Indian Institute of Technology Bombay, India

02:50-03:10 **Title: Study of water and water-related energy use in the context of households in western and northern parts of India**
AnandKrishnan Plappally, Indian Institute of Technology Jodhpur, India

03:10-03:30 **Title: Monitoring the water quality of wetlands of Coimbatore**
R. Anu Alias Meena, Bharathiar University, India

Coffee Break 03:30-03:45

03:45-04:05 **Title: Effect of bio compost on soil chemical properties and nutrient uptake in paddy (Oryza sativa L.) under high pH soils**
D. Leninraja, Tamil Nadu Agricultural University, India

04:05-04:25	**Title: Differential response of phosphorus uptake efficiency, yield and yield attributes in relation to phosphorus nutrition in rice crop** **V. Sanjivkumar,** Tamil Nadu Agricultural University, India
04:25-04:45	**Title: Biodegradation of tributyltin chloride by bacteria isolated from coastal econiches of Goa-India** **Dnyanada Khanolkar,** Goa University, India
04:45-05:05	**Title: How sustainable are the watershed management program in Tamil Nadu?** **G. Goutham,** Tamil Nadu Agricultural University, India
	Panel Discussions

Day 2 February 14, 2013

Conference Hall, Hall No. 5, Bombay Exhibition Centre

Track 1: Water Technologies
Track 2: Environmental Technologies
Track 3: Renewable Energies
Track 4: Economic Growth and Environmental Sustainability
Track 5: Water Management
Track 6: Water Resources & Conservation

Chair: Srinivas Krishnaswamy, BITS - Pilani, K. K. Birla Goa campus, India
Co-Chair: Ravindra RP, NMIMS-SPTM, India

	Session Introduction
10:00-10:20	**Title: Investigations on waterborne Giardia, Cryptosporidium and Toxoplasma in the hydrological environment in the lower Rhine area of Germany** **Carmen Gallas-Lindemann,** LINEG, Germany
10:20-10:40	**Title: High rate transpiration system: A phyto-technology for land treatment and disposal of pulp and paper mill wastewater** **Prashant R. Thawale,** CSIR-National Environmental Engineering Research Institute, India
10:40-11:00	**Title: Redefining approaches to waste water characterization and treatment processes based on sector specific differentiation** **Srinivas Krishnaswamy,** BITS - Pilani, K. K. Birla Goa campus, India
	Coffee Break 11:00-11:15
11:00-11:30	**Poster Presentation**
11:30-11:50	**Title: Box model for estimation of radionuclide dispersion in seawater and radiation risks for coast population caused by NS #601 drowned in Kara Sea** **Vladimir Iarovitcin,** Institute for Physics and Power Engineering, Russia
11:50-12:10	**Title: Remote sensing and GIS based hydrological modeling using SWAT (Soil and Water Assessment Tool)** **Satiprasad Sahoo,** Indian Institute of Technology, Kharagpur, India
12:10-12:30	**Title: Potentiality of sustenance of water in rural and hilly areas** **S. M. Diwanji,** Mumbai University, India
12:30-12:50	**Title: Estimation of environmental flow for sustainable hydropower development sustainable hydropower development** **Mulenga Musounda,** Indian Institute of Technology Roorkee, India
	Lunch Break 12:50-01:40
01:40-02:00	**Title: Residual oil recovery system: crude palm oil recovery from Pressed Mesocarp Fibre in the palm oil mill** **Vijaya Subramaniam,** Malaysian Palm Oil Board, Malaysia
02:00-02:20	**Title: Banana peel as a potent, low-cost bio-adsorbent for water purification** **Ravindra RP,** NMIMS-SPTM, India
02:20-02:40	**Title: Assessment of household water use based on personal values, social influence and daily routines of people at Jodhpur near Thar desert in India** **Anand Krishnan Plappally,** Indian Institute of Technology Jodhpur, India
02:40-03:00	**Title: Indian Institute of Technology, Kharagpur, India** **Suman Patra,** Indian Institute of Technology Kharagpur, India

Posters

Day 2 February 14, 2013

P-101 **Title: Energy from sludge**
Nishigandha Jadhav, *National Institute of Technology Rourkela, India*

P-102 **Title: A critical appraisal of drinking water crisis and sanitation in a village panchayat – A case study**
M. Kalaiselvei, *Anna University, India*

P-103 **Title: Enhancement of drought basin using bio-energy: Critical analysis of socioeconomic and policy aspects**
B. Joe Vivek David, *Anna University, India*

P-104 **Title: Treatment of paper wastewater in double chamber microbial fuel cell using graphite electrode**
Sandeep S. Patel, *National Institute of Technology Rourkela, India*

P-105 **Title: Influence of mediator in double chamber microbial fuel cell using graphite electrode**
Sharmila Durairaj, *National Institute of Technology Rourkela, India*

P-106 **Title: Analysis of impact of climate change on meteorological drought using comparative study of drought indices**
D. Thiyagarajan, *Anna University, India*

P-107 **Title: Studies on the removal of mercury from waste waters using glutaraldehyde crosslinked thiourea functionalized chitosan**
Avinash Gupta, *Indian Institute of Technology Kanpur, India*

P-108 **Title: Performance evaluation of water harvesting structures in urbanised rivers**
S.Anantha Krishnan, *Anna University, India*

P-109 **Title: Reuse of coal fly ash for blending cement to produce concrete**
Radhika Apte, *Indian Institute of Technology Bombay, India*

P-110 **Title: Dynamics of photo Fenton process for Dipyrone degradation and hydroxyl radical quantification**
Ardhendu Sekhar Giri, *Indian Institute of Technology Guwahati, India*

P-111 **Title: Lime pretreatment: A sustainable route towards biofuel production**
Soumya Sasmal, *Indian Institute of Technology Guwahati, India*

P-112 **Title: Sprinkler irrigation system for enhancing the sustainability of depleting groundwater resources of Rajasthan state**
Suresh, *CSWCRTI, India*

P-113 **Title: Reduction of carbon combustion by using methanol**
Soujanya pasumarthi, *Koneru Lakshmaiah University, India*

P-114 **Title: Modelling of multiple solute transport in unsaturated zone**
Chella Meena, *Anna University, India*

P-115 **Title: Application of swat to study the effects of climate change on stream flow**
Cathrine. E, *Anna University, India*

P-116 **Title: Spatial mapping of agricultural water productivity using the swat model in Sathanur reservoir catchment**
K. Banupriya, *Anna University, India*

P-117 **Title: Evaluation of water quality model for irrigation system optimization in Lower Bhavani Project (LBP)**
K. Janani, *Anna University, India*

P-118 **Title: Design of grid-connected photovoltaic inverter control module**
Krishna K R, *Anna University, India*

P-119 **Title: A study on irrigation service delivery of canal and tank irrigation system in Tamil Nadu**
R. Priyadharshini, *Anna University, India*

P-120 **Title: A study on silt characteristics and capacity of periurban tanks of Chennai basin**
Shilpa P.S, *Anna University, India*