

**INDIA 2010 CONFERENCE AT A GLANCE - NEW**  
(Tentative Schedule Subject to Change)

- Conference Location: Indian Institute of Technology, Madras, Chennai, India
- Three Themes: Environment, Urban and Domestic Water Supply, and Water Resources
- Six Oral Presentations Per Session
- \*Tickets Included in the Conference Registration

Time of Day	January 5, 2010						January 6, 2010						January 7, 2010					
	Tuesday						Wednesday						Thursday					
	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6
Tentative Themes	Water Resources Planning & Management	Water & Wastewater and Waste	Global Water Issues and Hydrology &	Ecosystem Management & Restoration	Ground Water and Urban Watershed	Poster Session	Water Resources Planning & Management	Water & Wastewater and Waste	Global Water Issues and Hydrology &	Ecosystem Management & Restoration	Ground Water and Urban Watershed Management	Poster Session	Water Resources Planning & Management	Water & Wastewater and Waste Management	Global Water Issues and Hydrology &	Ecosystem Management & Restoration	Ground Water and Urban Watershed Management	Poster Session
7:00 AM - 10:00 PM	Travel to Campus (Transportation Provided*)						Travel to Campus (Transportation Provided*)						Travel to Campus (Transportation Provided*)					
08:30 AM - 10:00 AM	Conference Inauguration and Opening Keynote Session (Inaugural Address, Guest Speaker: Dr. B. Pathak, and Keynote Speaker: Dr. S. P. Simonovic)						WPM 4	WM 1	HH 1	EMR 4	UWM 1		Keynote Session (Keynote Speaker: Dr. Rafael L. Bras)					
10:00 AM - 10:30 AM	Break Snacks & Beverages (Provided*)						Break Snacks & Beverages (Provided*)						Break Snacks & Beverages (Provided*)					
10:30 AM - 12:00 PM	WPM 1	WW 1	GW 1	EMR 1	GW 1	PS 1	WPM 5	WM 2	HH 2	EMR 5	UWM 2	PS 3	WPM 8	WW 4	HH 5	EMR 8	GW 4	
12:00 PM - 1:30 PM	Lunch (Provided) Special Presentation: "Our Attitudes Toward Natural Resources: Control them, Be Controlled By them, or Cooperate with Them?" by Dr. Lakshmi Reddi, University of Central Florida, USA						Lunch (Provided) Special Presentation: "International Services Program of US Army Corps of Engineers" by Mr. S.K. Nanda and Mr. Jerry Webb						Lunch (Provided) Special Presentation: "Challenges in Securing India's Water Future" by Dr. Ujmanu Lalit, Columbia University, USA					
1:30 PM - 3:00 PM	WPM 2	WW 2	GW 2	EMR 2	GW 2	PS 2	WPM 6	WM 3	HH 3	EMR 6	UWM 3	PS 4	WPM 9	WW 5	GW 4	Faculty Student Mixer	GW 5	PS 5
3:00PM - 3:30PM	Break Snacks & Beverages (Provided*)						Break Snacks & Beverages (Provided*)						Break Snacks & Beverages (Provided*)					
3:30 PM - 5:00 PM	WPM 3	WW 3	GW 3	EMR 3	GW 3		WPM 7	WM 4	HH 4	EMR 7	UWM 4		WPM 10	WW 6	GW 5	Panel Discussion: Environmental Issues	GW 6	
Evening	Dinner - Cultural Event and Entertainment (Onsite) (Provided*) 7:00 PM - 10:00 PM						Inauguration of EWRI Chennai Chapter - Snacks and Beverages (Provided*) 5:30 PM - 6:30 PM						2nd Dinner (To Be Decided) 5:00 PM - 9:00 PM					
							Trip to Chennai Beaches with Transportation to & from Campus and Two Hotels Dinner on Own/Free Time (Transportation Provided*) 5:00 PM - 9:00 PM											

WPM = Water Resources Planning & Management; WW = Water & Wastewater; WM = Waste Management; GWI =Global Water Issues; HH= Hydrology and Hydraulics; EMR = Environmental Management & Restoration; GW = Ground Water; UWM =Urban Watershed Management.

CONCURRENT SESSIONS	Room 1	Inauguration and Opening Keynote Session								
	5-Jan-10	8:30 AM - 10:00 AM	Opening Address Climate Change and Water Management: The renaissance of Systems Approach Sustainable Sanitation and Millennium Development Goals (MDGs)	Invited Guest Stobodan, P. Simonovic Bindeshwar Pathak						
	Room 1	WPM 1: Emerging Techniques for Water Resources Planning and Management - I								
	5-Jan-10	10:30 AM - 12:00 PM	Moderator(s) Ashwin Gosain	RUNOFF ESTIMATION IN BLUENILE RIVER BASIN OF ETHIOPIA USING FUZZY NEURAL NETWORK MODELING-A CASE STUDY OF KOGA CATCHMENT SIMULATION OF DAILY WEATHER VARIABLES USING CONDITIONAL BLOCK BOOTSTRAP MODEL Estimation of monthly evaporation for Kovilar reservoir using Genetic Programming and Thornthwaite method Prediction of Monthly Rainfall over Homogeneous Monsoon Regions of India Based on Large Scale Circulation Patterns Using Genetic Programming Geospatial Infrastructure for Water Resources Management A Multivariate model for Monte-Carlo Simulation of Spatially and Temporally Correlated Daily Rainfall Intensities	P. C. Deka Sarthosh Dronamraju S. Saravanan S. S. Kashiid Ashwin Gosain Raghavendra Suribhatha	Y. V. Srinivas K. S. Kasiviswanathan Rajib Malty Nagraj Patil	S. Sathyamurthy Chakresh Sahu	Duni Thakur	George Paul	G. Partheepan
	Room 2	WW 1: Industrial Wastewater Treatment - I								
5-Jan-10	10:30 AM - 12:00 PM	Moderator(s) T Swaminathan	MODELING FOR REMOVAL OF CONTAMINANTS FROM INDUSTRIAL WASTE WATER BY ADSORPTION Treatment of Electroplating Waste Water by Advanced Oxidation Process Removal of Heavy Metal Elements from a Pharmaceutical Industrial Effluent - A Case Study The Submerged Anaerobic Membrane Bioreactor (AnMBR) for the Treatment of High Strength Potato Processing Wastewater Decolourisation of textile dyeing wastewater using Trametes versicolor STATISTICAL OPTIMIZATION OF PARAMETERS FOR FUNGAL DECOLOURIZATION OF DIGESTED MOLASSES SPENT WASH	G. Anusha Anshad Husain Shashikanth Kulkarni Daryl Burke S.V. Srinivasan S. S. Singh	Suneeth Kumar Iram Javed Kripa Singh T Swaminathan A.K. Dikshit	J. Jeyanthi M.M. Ashfar Scott Christian D.V.S. Murthy	Shannon Grant			
Room 3	GWI 1: Global Climate Change and Effect on Environmental and Water Resources - I									
5-Jan-10	10:30 AM - 12:00 PM	Moderator(s) Ian Smout	Analysis of the field cultivate period for effective rainfall under climate change Global water challenges in the 21st century: The impact of climate change and population growth on water resources Trend Analysis in Extreme Rainfall Events over Large Region in India: Is it Always Correct? Predicted Performance of an Irrigation Network in Spain under Climate Change Estimating future surface water availability from global climate change precipitation projections An investigation into the implications of climate change for rainfall characteristics in Texas	Ray-Shyan Wu Krisina Nelson Subimal Ghosh Ian Smout William Samuels Ashok Mishra	Chi-Mei Wang Dena McMartin Vitali Luryia Luis Pérez Urrestarazu Rakesh Bahadur Vijay P. Singh	Takaya Ono Anant Gupta Elena Herrera	David Amstutz			
Room 4	EMR 1: Integrated Watershed/Water Quality Modeling Tools									
5-Jan-10	10:30 AM - 12:00 PM	Moderator(s) Indrajeet Chaubey	LAKE CLARITY MODEL: A TOOL FOR LAKE AND RESERVOIR MANAGEMENT Regional Analysis of Water Quality Using GIS ALGAL BLOOM MODELING USING GENETIC PROGRAMMING AnnAQNPS Model Application for the Future Midwest Landscape Study Evaluation of groundwater quality of Amur sub basin through Remote sensing and Geographical Information System Improving Water Quality from Agricultural Basins: A Multiobjective Optimization Approach	Goloka Sahoo Neelakantan Sajkumar C. Sivapragasam Yongping Yuan C.G. HEMAMALINI Indrajeet Chaubey	Geoffrey Schladow K.S. Sunam Nitin Muttil Meghan McHaffey M. Krishnaveni Chetan Maninganti	John Reuter H.J. Neelima S. Muthukumar Ricardo Lopez Bernard Engel	V. M. Anon Ron Bingner Joseph Quansah	Randy Bruins	Caroline Erickson	Michael Jackson
Room 5	GW 1: Regional Groundwater Modeling and Management - I									
5-Jan-10	10:30 AM - 12:00 PM	Moderator(s) Louis Motz	Delineation of Well-field Contributing Areas Using an Unconstrained Monte Carlo Analysis, Southeastern Florida, USA Sensitivity Analysis of Higher Order Spatial Moments for a Coupled Fracture-Skin-Matrix System Numerical Comparison of equivalent continuum, dual porosity and dual permeability models for flow in fractured porous media Real-time Conjunctive Use of Surface and Groundwater Resources: A Case Study COUAG, Coupled Aquifer Model for a Two-Layer Aquifer System Groundwater Arsenic Contamination in the Brahmaputra Floodplains: Outcome of a Comprehensive Field Investigation in Assam, India	Lizny Brakefield-Goswami V. Renu N. Natarajan Matin Ralfpour-Langeroudi Louis Motz Runit Choudhury	Christian D. Langevin G. Suresh Kumar G.Suresh Kumar Reza Kerachian Mohammad Reza Bazargan-Lari Louis Motz Akhilj Dutta	Mohammad Reza Bazargan-Lari Louis Motz Akhilj Dutta	Somnath Basu	Pronob Borah	Lalit Saikia	Wazir Aiaz Rashmi Rekha Dutta
POSTER SESSION	Poster Room	Poster Session # 1								
	5-Jan-10	10:30 AM - 12:00 PM	Moderator(s) Bakaj Narasimhan	Prediction of Hourly Air Temperature by Artificial Neural Networks Application of some Probabilistic Simulation Models for Characterizing an Unknown Groundwater Pollution Source: A case Study Developing a Fuzzy Game Theoretic Model for Optimal Inter-basin Water Allocation Seepage as a Component of South Florida Treatment Wetland Mass Budgets Prediction of Monthly Discharge by Different Artificial Neural Network Algorithms Energy Dissipation in Broken-Back Culverts Optimal Operation of Hydropower Systems Using a Partial Constraint Satisfaction Approach Trends and geographical variability in hydro-meteorological extremes for the 21st century from a climate model A Comparison between the Cooperative and Non-cooperative Basin-wide Water Quantity and Quality Management: A Case Study Flood Mitigation Studies in Urban Environments: How Complex Should It Be? Diatom Assemblages As Indicators of Water Quality and Ecological State in Typical Lesser Himalayan Streams. Experiments on Horizontal Plane Buoyant Jets in a Shallow Enclosure IRRIGATION SCHEDULING BASED ON SOIL MOISTURE STUDIES AND CROP YIELD UNDER DEFICIT IRRIGATION Examining the government policy of relocating farmers from urban residential area to barren estate OPTIMISATION OF AERIBIC SEQUENCING BATCH REACTOR TO TREATING INDUSTRIAL WASTEWATER CONTAINING 4-CHLOROPHENOL	Mehdi Rezaeian Zadeh Soyyed Nasser Bashi-Aghaadi Mojtaba Sadegh Richard Huebner Mehdi Rezaeian Zadeh Arudhesh Tyagi Andre Ferreira Auroop Ganguly N. Malhotra Srinivasan Rangarajan Prakash Nayalaj Yaser Shammaa Thirupathi Rao Konukanti Md Shihab Anon Ali Assadi	Amin Bandegi Reza Kerachian N. Malhotra Michael Chimney Vijay P. Singh James Brown Ramesh Teegavarapu Karsen Steinhilber M. Ardestani N. Kalyar R. Nayalaj D. Z. Zhu K.V. Jayakumar S. Akhamed H. Mowafeyhan	Shahrokh Zand-parsa Mohammad Reza Bazargan-Lari Reza Kerachian Chandra S. Pathak Hrad Abghani Abdul-Sahib Al-Madhhachi Shih-Chieh Kao R. Kerachian M. Takamatsu	Ashkan Nikan Hrad Abghani Vijay P. Singh Alia Sankarpasad Navid Jalilakamali Naser Niknia Mohsen Poornea Biondi Marcia Bransteeter Alexander Sorokine David Eric Anthony King		
SPECIAL LECTURE	5-Jan-10	12:30 PM - 1:30 PM	Our Attitudes Toward Natural Resources: Control them, Be Controlled by them, or Cooperate with Them?	Lakami Reddi						

CONCURRENT SESSIONS

<b>Room 1</b>		<b>WPM 2 : Emerging Techniques for Water Resources Planning and Management - II</b>									
5-Jan-10	1:30 PM - 3:00 PM	Moderator(s) Ardhesh Tyagi		Comparative Analysis of ANN Based Rainfall Runoff Model for River Pagladia: Standard Backpropagation and Generalized Regression Network Unified Modeling of Groundwater Vulnerability Analysis Using DRASTIC and WHPA on ArcGIS Platform Multi-Layer Perceptron and Radial Basis Function Networks for Continuous Rainfall-Runoff Modeling Finite Element Method and Non-Dominated Sorting Genetic Algorithm II based multi-objective groundwater remediation design Electrical Conductivity Modelling with Artificial Neural Networks Estimating Inflows to Small Reservoirs with Limited Information	Rajib Bhattacharya Ardhesh Tyagi Mehdi Rezaei-Zadeh Arpia Mondal C. Sivapragasam C. Sivapragasam	Arup Sarma Venkat Balasubramanian Sofiajash Arni T Eldho R. S. Saravanan R. S. Saravanan	Hirad Abghari Muthukumar Subramanian I. Senthil Kumar	E. Zia Hossainpour V. M. Arun K. Jeyaganesh	Ashkan Nikan Muthulakshmi P T. Ayoth	Vijay P Singh V. M. Arun	
<b>Room 2</b>		<b>WW 2 : Industrial Wastewater Treatment - II</b>									
5-Jan-10	1:30 PM - 3:00 PM	Moderator(s) Ligy Philip		TERTIARY TREATMENT OF DISTILLERY WASTEWATER USING BIOTECHNOLOGY: THREE CASE STUDIES Treatment of 2, 4 - Dichlorophenol through Sequential Anaerobic - Aerobic Treatment PALLADIUM BACTERIAL CELLULOSE: A NOVEL CATALYST FOR REDUCTIVE DECHLORINATION OF CHLOROPHENOLS Use of biological materials for removal of oil from water Durability of Coir Geotextiles Used in Wastewater Treatment BOD Exertion With Continuous Supply Of Air	Anil K Dikshit Izhanu Iarogoi Ujendra Patel Asha Srinivasan Gopani Mukkulaiah Mayur Kale	Mrunjay Singh Chauhan Brajesh Chauhan Sumathi Suresh Thiruvenkatachari Viraraghavan Santosh G. Thampi Indu Mehrotra	Sanjay S Singh	Dhiman Chakraborty			
<b>Room 3</b>		<b>GW 2 : Global Climate Change and Effect on Environmental and Water Resources - II</b>									
5-Jan-10	1:30 PM - 3:00 PM	Moderator(s) Auroop Ganguly		Evaluation of conditional random field model as a stochastic downscaling tool Climate Change in the Brahmaputra Basin of Northeast India and Need of Policy Interventions and Institutional Mechanism Assessing the impacts of future flows in the Snake River, Idaho Modeling the Impacts of Climate Change on Drinking Source Water Quality Threat of climate change to Upper Indus River Basin: the Case Study of the Hunza Tributary Climate extremes: The science, impacts, and policy relevance	Deepashree Raje Lalit Sakia David Hoekema Erin Towler Abdul Nasir Lughari Auroop Ganguly	Pradeep Mujumdar Chandan Mahanta Venkataramana Sridhar Balan Rajagopalan Davy Vanham Karsten Steinhäuser	Rajib Lochan Deka	Wolfgang Rauch Shih-Chieh Kao	Esther Parish		
<b>Room 4</b>		<b>EMR 2 : Nonpoint Source Pollution and Remediation - I</b>									
5-Jan-10	1:30 PM - 3:00 PM	Moderator(s) G Padmanabhan		EXPERIMENTAL AND MODELING STUDIES FOR THE BIOREMEDIATION OF CIVIC CONTAMINATED AQUIFERS MODELING PHOSPHORUS TRANSPORT VIA SURFACE RUNOFF IN SONGKHLA LAKE BASIN, THAILAND Hydrogeochemical processes driving Arsenic release from shallow sediments into groundwater in Darang district of Assam Permeable Reactive Barrier Technology for Ground water Denitrification in India Use of passive samplers to determine water quality and bioavailability of organic contaminants Leaching and Transport of Heavy Metals from Fly Ash Stabilized Soils	J. Jaya Singh Kilpan Kitharwong L. Salio Prabhat Kumar Singh Rainer Lohmann Sazzad Bin-Shafique	Ligy Philip G Padmanabhan C Mahanta	B. S. Murty Penjal Sampongchalyakul	Christie Kunda Tuncer Edil			
<b>Room 5</b>		<b>GW 2 : Regional Groundwater Modeling and Management - II</b>									
5-Jan-10	1:30 PM - 3:00 PM	Moderator(s) Louis Metz		A METHOD FOR GROUNDWATER RESERVE ESTIMATION FOR SUSTAINABLE GROUNDWATER MANAGEMENT ASSESSMENT OF GROUND WATER QUALITY OF NALBARI DISTRICT, ASSAM, NORTHEAST INDIA WEATHERING RATE ESTIMATE OF GROUNDWATER IN SILICATE ROCKS USING MASS BALANCE APPROACH Ground water quality assessment and mapping for Chandigarh (India) Optimization of Pumping and Recharge for Reclamation of Contaminated Aquifer Study of Ground Water Recharge and its effect on the water quality for Rapar Taluka of Kutch	N. Varadaraj Pallavi Sharma B. S. Soumya Shy John K. Deepa Sanakriti Mujumdar	S. Suresh Hari Prasad Sharma M. Sekhar L.N.Sharma K. Karunakaran Arvind Patel	Sreehari Sarangan	J. Ritoie Rajesh Bansal	J.-J. Braun		

POSTER SESSION

<b>Poster Room</b>		<b>Poster Session # 2</b>									
5-Jan-10	1:30 PM - 3:30 PM	Moderator(s) G. Suresh Kumar		FLOOD DRAINAGE STUDIES IN AN UNGAUGED CATCHMENT USING GIS TRANSIENT VAPOROUS CAVITATION IN U-PVC PIPES: AN EXPERIMENTAL INVESTIGATION Strategic Measures for Water Quality Improvement in Delhi Stretch of River Yamuna, India Sensitivity Analysis of Water Quality for Delhi Stretch of River Yamuna, India Drainage of Pooled Surface by a Trapezoidal Ditch Implications of climate change on Idaho's Water Resources: A Case Study in the Snake River and Salmon River Basins An integrated model coupling VIC and MODFLOW to evaluate the climate change impacts on water resources at Upper Snake River Basin Modeling and Parametric Study for Transport of Heavy Metals to Groundwater from Fly Ash Stabilized Subbase in Highway Performance evaluation of pathogens removal in combined UASB Reactor with Diffused Aeration based Post treatment plant APPLICATION OF MATHCAD FOR HYDROLOGICAL ANALYSIS USING MODIFIED KOSTIAKOV'S METHOD Environmental Flow Assessment - A Concept Note Enhancement of Aqueous Phenol Photolysis by UV/H2O2 and Photo-Fenton Processes THE RESTORATION OF THE DANUBE FLOODPLAIN, A FUNDAMENTAL ECOLOGICAL ISSUE FOR EUROPE Assessment of Drought Monitoring Using Two Different Methods: Area Averaging and Station Zoning Procedures Regional Flood Frequency Analysis of Upper Krishna Basin	N. Sajkumar K.S. Sunam D.L. PARMAR Gnanahyan Vasodaria Sumathy Sinnahambay Xin Jin Sazzad Bin-Shafique Kishuibu Patel Nitin P. Sonaje Ritu Patwal Ali Assad G. Brezeanu Maryam Golmohammadi Akshay Thevaraj	K.S. Sunam S. G. Thampi ASHOK K. KESHARI ASHOK K. KESHARI Vishal Patel Muklen Muche Venkataramana Sridhar Craig Benson A. K. Mungray M. L. Walker A. Eslami Olivia Ciobota R. M. Bavani M. M. Mujumdar	M.C. Pramodchandran N. Sajkumar	Vinod Patel Venkataramana Sridhar	Xin Jin Tuncer Edil		

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<b>Room 1</b>		<b>WPM 3 : Emerging Techniques for Water Resources Planning and Management - III</b>									
5-Jan-10	3:30 PM - 5:00 PM	Moderator(s) Sharad Jain		Hybrid technique for reservoir capacity assessment Fuzzy Cooperative Game Solution Concepts to a Water Resource Allocation Problem GENETIC ALGORITHM APPLICATION FOR INTER-BASIN WATER TRANSFER SYSTEM IN INDIA Simulation-Optimization Framework for Stochastic Modeling of Annual Streamflows Prediction of streamflow using Artificial Neural Networks Estimation of river discharge and sediment concentration using neuro-fuzzy computing technique	Sudhir Kavith Mojtaba Sadegh Nitin Mohite R. K. Sivastav A. R. Senthil kumar P C Nayak	Mulidhar Mundhe Reza Kerachian Sandeeep Narulkar K. Srivivasan C. S. P. Oja Sharad Jain	Vijay Pandhare	Sudhakar Kulkarni	K. P. Sudheer R. D. Singh K. P. Sudheer	P. K. Swamee	
<b>Room 2</b>		<b>WW 3 : Industrial Wastewater Treatment - III</b>									
5-Jan-10	3:30 PM - 5:00 PM	Moderator(s) Ligy Philip		RESPONSE OF SUBMERGED MEMBRANE BIOREACTOR TO PHENOL SHOCK LOADS Sequential microaerophilic-aerobic continuous fed reactor for treatment of textile wastewater Treatment of Tetrachloroethylene in Anaerobic Hybrid Reactor Integrated Water Management and Reuse in Poultry Processing Plant - A Case Study Laboratory scale investigations on reuse of treated textile wastewater for dyeing by means of reverse osmosis	Yoga Lakshmi K. Sarayu Shibam Mitra Shobha Muthukumar Neha Patel	Kulraj Joseph S. Sandhya S.K. Gupta Kanagaratham Baskaran N.N. Patel	Gurdeep Singh				

CONCURRENT SESSION

Room 3	3:30 PM - 5:00 PM	GW 3 : Water Resources Infrastructure								
5-Jan-10	Moderator(s)	David Froehlich	Amanvir Chhika	Vivek Ranade	Praveen Kumar	Ata Amini	Mohammad Sholichin Marzuki			
		Modeling Erosion of Spillway Surface of High Head Dams Multiple Span Integral Bridge Scour Phenomenon STUDY ON THE SCOURING BEHAVIOUR AROUND PIERS OF TWO PARALLEL BRIDGES Restoration of Stream Banks using Submerged Vanes Hold That River! Shopping Bank Erosion with Rock Riprap Falling Aprons Dynamic Architecture Underwater- A Hydromic Tower	J. Vijayalakshmi A. Jacco Ojgaard David Froehlich Anuj Agarwal	Ismail Othman P. Sreeja Amita Shivastava	Faridah Othman					
Room 4	3:30 PM - 5:00 PM	EMR 3 : Nonpoint Source Pollution and Remediation - II								
5-Jan-10	Moderator(s)	Sanjay Shukla	Raj Mohan Singh	Balasubramanian Rajasekhar	Pavel Tkalich	Roy Elliot	Andy Chen	Frederique Vanholsbeeck		
		Characterization of Uncertainty in Prediction of Diffuse Pollution Concentration in Streams NONPOINT POLLUTION OF SURFACE WATERS WITH NUTRIENTS: BIOMASS BURNING IN SOUTHEAST ASIA A fiber optic detection method for monitoring bioremediation Modeling the transport of lead within contaminated soils amended with phosphates Nutrient Attenuation under Natural Conditions in Tile-Fed Agricultural Drainage Ditches Water and Nutrient Dynamics of a Stormwater Detention Area in Florida	Balinda Hewitt Krishna Kumar Nedunuri Laurent M Ahiablame Sanjay Shukla	Naresh Singhal Arthur Paul Schwab L. Chaubey Asmita Shukla	Simon Swift Rao S Govindaraju D. R. Smith James Knowles	B. Engel				
Room 5	3:30 PM - 5:00 PM	GW 3 : Salinity Issues								
5-Jan-10	Moderator(s)	Rohit Goswami	Prabhakar Clement	Rohit Goswami	Subhan Pathan	Mruen Dholakya				
		Understanding the dynamics of saltwater flow in unconfined aquifers Sustainable Desalination of Brackish Waters CHANGE DETECTION ANALYSIS IN THE LAND USE OF A PART OF BHAVNAGAR DISTRICT DUE TO SALINITY INGRESS USING GEOINFORMATICS TECHNIQUES STATUS OF SALT WATER INTRUSION Consolidated learning from the salinity ingress prevention program in Gujarat India Sustainable Yield of Ground Water	Veera Gude Dipen Shah Nalathamma Vardaraj F.H.A. van Weert Victor Ponce	Nirmal Khandan Shrutu Sheeth A. Palrecha Hassan Badkoobehi	A. ter Harmsel	G.H.P. Oude Essink	M. Faneca Sanchez	J. Posthumus		

CONCURRENT SESSIONS

Room 1 6-Jan-10 8:30 AM - 10:00 AM	<b>WPM 4 : Operation of Water Resources Systems</b> K Srinivasan	V. M. RANA S. Sivakumar P. G. Jairaj Mohammad Karamouz Maya R. Roy Om Prakash	VINDOKUMAR RANA S. Mohan A. R. Remya Mehdi Ranjbar Anup Kumar Sarma K. Srinivasan	Azadeh Ahmadi K. P. Sudheer
Room 2 6-Jan-10 8:30 AM - 10:00 AM	<b>WM 1 : Solid Waste Management - I</b> Upendra Tyagi	Shantha Parthan Atiq Uz Zaman Sudovi Baru Nekram Rawal S. Suneethi Apan Ganguly	Mark Mike Anna Björkurd Ankush Bath Raj Mohan Singh Kurian Joseph Pujarni Ghosh	Avik Ghosh R.C. Vaidhya Megha Bala Subhash Dutta Mrigankosekhar Mukhopadhyay Pritam Aitch
Room 3 6-Jan-10 8:30 AM - 10:00 AM	<b>HH 1 : Hydrological Processes and Hydrologic and Hydraulic Modeling - I</b> Rao S Govindaraju	Shivam Tripathi Mohammad Azmi C T Dhanya Yun Ding Janet Gaskin Narahari Chaudhari	Rao S Govindaraju Shahab Araghinejad D Nagesh Kumar Deyu Zhong Ousmane Sedou Shreenivas Londhe	Hongwu Zhang Colin Rennie Kanchan Khare Lei Liu
Room 4 6-Jan-10 8:30 AM - 10:00 AM	<b>EMR 4 : Water Quality Management and Regional Water Quality and Quantity Planning - I</b> P. Somasundaran	Edward Smith Naendra Shirkar Uda Singh Rajamohan Natarajan Thakur Aseem Kumar P. Somasundaran	Kelly Slattery Sivaprakash Baskaran Chandira Shekhar Prasad Ojha Kantik Chandra	Steve McComas Yvette Christianon Jason Carlson Chitrajanj Ray Raymond Farinato Thomas Ofstehk Farag Purohit
Room 5 6-Jan-10 8:30 AM - 10:00 AM	<b>UWM 1 : Urban Water Supply and Wastewater Challenges</b> Peter Daniels	Debabrata Kar J Senthilnathan Rabindrut Biswas Peter Daniels Amitava Basu Kotji Uno	Ligy Philip Deepak Khare Katarina Grande	Ramasurbaramian Shankar Neel Kulkarni

CONCURRENT SESSIONS

Room 1 6-Jan-10 10:30 AM - 12:00 PM	<b>WPM 5 : Watershed Modeling: Advances, Challenges, and Directions</b> A. W. Jayawardena	Michael Hanson A. W. Jayawardena Prabin Paul Kunal Patel Roshan Srivastav R. Sudharsanan	Shweta Chenu Belle Sivakumar Monica Mazurek Srinivasan K K. Krishnaveni	Steven Jacobus John Showler John Brockwell K. Karunakaran
Room 2 6-Jan-10 10:30 AM - 12:00 PM	<b>WM 2 : Solid Waste Management - II</b> Patrick Kilby	Poly Buragohain K. Parameswari Patrick Kilby Gowtham Das Rajendran Gourab Roy Nithya Manickam	Chanchal Kumar Das Krinhaswamy Karunakaran Kumar Babu Padaga Ahsaak Saha Dalainidu Anepalli	Sreedeep S Sandeeep Koundinya Wissam Itikar Salleah R.Gandhi Gunindra Nath Chattopadhyay Biswapati Mandal
Room 3 6-Jan-10 10:30 AM - 12:00 PM	<b>HH 2 : Hydrological Processes and Hydrologic and Hydraulic Modeling - II</b> Wasantha Lal	Kambiz Farehi Moghadam Mohammad Adnan Rajib B RAMESH Rama Rani wasantha lal Andrew Carl Jenks	Seyed Taghi (Omid) Naeni Md. Mujibur Rahman U C KOTHYARI Kenneth Koryha Nilantha Dhanapala Paul V. Bolstad	Amir Golalpour Edward A. McBean K MURUGESAN W. K. Gunadasa Udai B. Singh J. A. S. A. Jayasingha Mark S. Riedel B. S. Lyanagama Lalitha Senaviratne al Wijesinghe
Room 4 6-Jan-10 10:30 AM - 12:00 PM	<b>EMR 5 : Water Quality Management and Regional Water Quality and Quantity Planning - II</b> Nirmala Khandan	G. V. V. Rao Rehana Shaik ROTIMI ODUOLA Ambica K. Pegalapati Indrani Chakraborty	Chinnay Tripathy Pradeep Mujumdar ROTIMI ODUOLA Atul Mittal Somnath Sen	Nirmala Khandan

POSTER SESSION	Room 5 6-Jan-10 10:30 AM - 12:00 PM	UWM 2 : Water Supply Distribution Network Technologies Sri Lingireddy	Sahish Kumar R. Saja D.L. PARMAR S. Chandramouli Venkatesh Rathnam Erva H. E. Mukkanga	Saran Kumar J. Letha Sanjeev Singh P. Malleswararao K.V. Jayakumar C. S. Akita	Samir Raval Hemant Rawat S. K. Sharma	Sri Lingireddy Prateek Wal K. Vairavamoorthy	Prashant Mohan Johari R.K. Khiloiya
	Poster Room 6-Jan-10 10:30 PM - 12:00 PM	Poster Session # 3 Balaji Narasimhan	Ashwin K Gosain Ashwin Gosain Shavil Shah Vayssel Demir Mehd Rezaeeian Zadeh Jie Zeng Zhi Chen E. Smith Maya Ray Habibollah Fakhrabi Tom Dowling Babatunde Adebo Saeed Jamali Bas Bakarian Rahat Tocheen	Umesh K Singh Nagraj Patil Sazzad Bin-Shafique Salifallah Amin Lijiong Zhang Arnutrur Ramamurthy M. George A. K. Sarma A. Karim Jashni P. Casey A. A. Adetoyinbo S. Abrishamchi Steven Leong A. S. Chowdhary	Nagraj S Patil Umesh Kumar Singh Edite Torres Davet Khalili Larry Deaton Xujun Li B. S. Choudri M. R. Rad Warren Davies	George Paul Hafiz Sharif Hifad Abghani Emile Damisse E. Zia Hosseini Chandra Pathak Vijay P Singh Juan Gonzalez	A. Davis A. A. Nia
SPECIAL LECTURE	6-Jan-10 12:30 PM - 1:30 PM	International Services Program of US Army Corps of Engineers	S.K. Nanda	Jerry Webb			
	Room 1 6-Jan-10 1:30 PM - 3:00 PM	WPM 6 : Watershed Management Baxter Vieux	Michael Ports Anurag Nayak Mukund Shinde Sanskriti Majumdar Dharmendra Saraswat Baxter Vieux	Michael Ports Danny Marks Sunil Gorenstiner Anvud Patel Naresh Pal	David Chandler Ian Smout	Adam Winstral	
CONCURRENT SESSIONS	Room 2 6-Jan-10 1:30 PM - 3:00 PM	WM 3 : Waste-to-Fuels & Energy Recovery Kantik Chandran	Yalini Auduchelvam Ketheesan Balachandran R. Shivacumar ANURAG GARG Aleeza Gordon	M. Perinpanysagam Rasika Perera R. Suresh Kumar Kartik Chandran	K. R. J. Perera Nimal Khandan S. Mohan Raj	B. Ketheesan R. Jayabalou N. Khandan	
	Room 3 6-Jan-10 1:30 PM - 3:00 PM	HH 3 : Hydrological Processes and Hydrologic and Hydraulic Modeling - III Ramesh Teegavarapu	Venkatesh B Chandra S. Pathak Rahul Parab B. Thulasidharan Nair Ramesh Teegavarapu	Lakshman Nandagiri Suejyn Dignard Michael Kabling S. Sreeja	Purandara B K Thomas Spencer J. Letha	V B Reddy Robert Tucker	
	Room 4 6-Jan-10 1:30 PM - 3:00 PM	EMR 6 : Ecology and Water Resources Sanjey Shukta	R. K. PRASAD Dibyendu Paul Sonali Senaratas Sallamuttu Syed Moïn Abira Banerjee Shrinivas Badiger	K. C. Arya Rony Lalunnsangi Sanjey de Silva Gunindra Nath Chattopadhyay Reshmidevi TV	Nidhi Nagabhatia	Max Finlayson Chiranjibi Pattanik S. Narendra Prasad	
	Room 5 6-Jan-10 1:30 PM - 3:00 PM	UWM 3 : Recycle and Reuse of Water Craig Patterson	Craig Patterson C. Lakshwngilana Mohit Ray Shavil Shah Abedeh Abdolghafoorian shuvra behera	Chris Impellitteri Dwarkar Tiwari Massoud Tajrishy sunil singh	Roy Haught Kyu-Man Choi Ahmad Abrishamchi	James Goodrich Seung-Mok Lee Rajib Sinha	
	Room 5 6-Jan-10 1:30 PM - 3:00 PM	UWM 2 : Water Supply Distribution Network Technologies Sri Lingireddy	Sahish Kumar R. Saja D.L. PARMAR S. Chandramouli Venkatesh Rathnam Erva H. E. Mukkanga	Saran Kumar J. Letha Sanjeev Singh P. Malleswararao K.V. Jayakumar C. S. Akita	Samir Raval Hemant Rawat S. K. Sharma	Sri Lingireddy Prateek Wal K. Vairavamoorthy	Prashant Mohan Johari R.K. Khiloiya

POSTER SESSION

CONCURRENT SESSIONS

Poster Room		Poster Session # 4									
6-Jan-10	1:30 PM - 3:30 PM	G. Suresh Kumar									
Moderator(s)		Applied Dimensional Analysis Equations and Artificial Neural Network to Improve Flow Rating at Coastal Spillway Impact of Vegetative Resistance on Flow Patterns in the Test Cells Stormwater Harvesting at BIANCO site, Gepps Cross, South Australia – in the perspective of monitoring and modelling of Stormwater Quality Numerical Modeling of Shallow Urban Flooding Uncertainty of Dam Breach Flood Predictions Exploring Possibilities Of Res. Based Solutions For Optimising Hydro Power Investments In The North East Optimal Configuration Of Boulders On Block Ramps For Stream Restoration Energy Balance Based Estimation Of Evapotranspiration From Spatially Enhanced Thermal Infrared Image A Method To Minimize Predictive Uncertainty Of Distributed Hydrological Models Proto Feedback Of Labyrinth Weirs Provided For Minor Irrigation Projects In Maharashtra,India Advancement Of Flood Forecasting And Warning System In Bangladesh For Risk Management - Present And Future A Comparative Study Of Watershed Models And Its Potential Applicability In India Illinois River Conservation Reserve Enhancement Program: Sediment and Nutrient Delivery Assessment Modeling The Migration Of LNAPL In The Unsaturated Porous Media Solid state fermentation of waste biomass to produce manganese peroxidase by Phanerochaete chrysosporium									
		Jie Zeng Liqiong Zhang Guna A Hewa David Froehlich David Froehlich A. Acharya Romej Ngangbam V Gowri ATHIRA PAIVIZHAM Nagesh Methkar Md. Mizanur Rahman Himalay samra Misanaw Demissie Hussein Ali Khan Fatma Gassara	Chandra Pathak Chandra Pathak Mohammad Nazmul Hasan Chowdhury  Mohammad Tufail  Zulfeqar Ahmad D. Thirumalaivasan Sudheer KP Muralidhar Mundhe N.K. Goel J. Stolkowski Saliner K. Brar	J. H. Raymond Jie Zeng John R. Ariga  Nayan Sharma I Chaubey Vijay Pandhare D.S. Arya L. Keefer R. D. Tyagi	E. Damisse Lairy Deaton    Pramod Kukarni Ramchandra Kote K. Stevenson R. Y. Surampalli	J. Hansing E. Damisse    M. Smith					
Room 1		WPM 7 : Watershed Processes and Management									
6-Jan-10	3:30 PM - 5:00 PM	Eric Evenson									
Moderator(s)		CRITICAL WATERSHED ANALYSIS FOR SOIL CONSERVATION MANAGEMENT USING SWAT MODEL Macro and micro scale evaluation of hydrology for objective decisions in water resources management MODELING WATERSHED FOR SOIL CONSERVATION: A MICRO WATERSHED ANALYSIS WITH SVI MODEL Planning and Management of Water Resources of Mini-Watershed in Pallar basin in Tamil Nadu Identification of the Spatial Variability of Runoff Coefficients of Three Wet Zone Watersheds of Sri Lanka for Efficient River Basin Planning Implementing an Integrated Water Management Plan During Times of Economic Uncertainty									
		Chauhan Parul Sathian KK Shruti Sheth Murhu Sivakumar K. R. J. Perera Eric Evenson	Jasvir Riza Syamala P Dipen Shah N.T.S. Wijesekera	Pradeep Lodha Narasim Serasia Subhan K. Pathan							
Room 2		WM 4 : Air Pollution Monitoring and Management									
6-Jan-10	3:30 PM - 5:00 PM	Mukesh Sharma									
Moderator(s)		Predicting Air Quality along Bandra – Worli Sealink Corridor in Mumbai City Development of a Methodology to Estimate Carbon Credits for GHG Emissions from the Processing of Biosolids Generated at Wastewater Treatment Plant IMPACT OF GREEN INFRASTRUCTURE ON URBAN ENERGY FLUXES AND MICROCLIMATE Fossil Fuel Fired Power Plants Air Emissions and Permitting – An Overview Temporal variation of PM10, PM2.5 and PM1 concentrations during summer season in Chennai city A Life Cycle Assessment of GHG Emissions for Municipal Solid Waste Disposal in Indore, India									
		Jayesh Haryan Dhesikan Venkatesan Indumathi Jayachandran Ramana Reddy Polamreddy Sri Muruganandam Vivek Shrotraya	Prabhat Shrivastava Kenneth Noll Steven Burian S. Rao Chittikela Shiva Nagendra Ian Smout	Divya Tawde Eric Pardyjak Christine Pomeroy Ben skousen							
Room 3		HH 4 : Hydrological Processes and Hydrologic and Hydraulic Modeling -IV									
6-Jan-10	3:30 PM - 5:00 PM	Rao S Govindaraju									
Moderator(s)		Local Canal Controller (PI) based on Hydraulic Simulation (Gate Discharge Schedule) Model Short-Term Rainfall Forecast during Extreme Monsoon Rainfall in an Urban Area, Mumbai Effects of Earth Dam Cracks in the Presence of Alternative Materials: A Numerical Approach COST FUNCTION FOR CANAL ROUTE ALIGNMENT A Nonparametric Approach for Estimating Joint Return Periods of Flood Characteristics Evaluation of Estimated Soil-Water Characteristic Curve for a Poorly Graded Sandy Soil									
		V. M. RANA Vinay Nikam Samar Younes Sridevi Bissa Kasturi Barithan Malaya Chetia	K. D. ACHARYA Kapil Gupta Lakshmi Reddi Shajgi Ram Chahar Subhankar Karmakar Sreedeeep Sekharan	Sai Kakuturu							
Room 4		EMR 7 : Wetlands Restoration and Protection									
6-Jan-10	3:30 PM - 5:00 PM	Lordwin Jayakumar									
Moderator(s)		Land Fortification through Wastewater: The Assimilative Capacity of Wetlands LIMNOLOGICAL STUDIES OF PALAK LAKE IN MIZORAM Flood Management in the Vembanad Wetlands of Kerala - Constraints and Some Possible Solutions Multiobjective Optimization for Wetland Restoration Site Selection - Eagle Creek Watershed, Indiana, USA Survey of Farmers and Fishers in Halli Beel - a wetland in Bangladesh Organics removal in tidal flow constructed wetland treating high strength animal farm wastewater: Determination of first-order rate constant									
		Liabeth Nagrah Lalithamunasu Pachuau Gopakumar R. Meghna Babbar-Sebens Asif Zaman Lordwin Jayakumar	Greg Gorden Robert Barr Mahbub Rahman Yeqian Zhao	Christopher Munson Lenore Tedesco Mir Kamal Xiaohong Zhao	Jatin Panchal S.M. Akmaliah Akintunde Babatunde Masudur Rahman						
Room 5		UWM 4 : Economics of Residential Water Supply									
6-Jan-10	3:30 PM - 5:00 PM	Usai B. Singh									
Moderator(s)		Water Pricing for Urban Water Supply Sustainability Adsorptive Removal of Iron in Ground Water by Low Cost Adsorbents Residential Water Demand and Conservation Measures for Water Supply in Bangkok A Comparison of Water Supply Methods for Rural Ecuadorian Communities Lift Station Design Using EXCEL Spreadsheet Optimizing the constrain water taxation practices through Intensity Service level Matrix in Urban places									
		N. NARAYANAN Pujarini Ghosh Wirat Krosachai Bruce Rybeck Azad Shah P. Baba Ganakumar	Arpan Ganguly Hugh Gillis	Somnath Mukherjee	Swapan Mukhopadhyay						



CONCURRENT SESSIONS

Room 3	7-Jan-10	1:30 PM - 3:00 PM	<b>GW 4 : Flooding and Infrastructure Management</b>							
	Moderator(s)		Jerry Webb							
			KOSI FLOOD IN 2008 - SOME ISSUES Advancement of Flood Forecasting and Warning System in Bangladesh for Risk Management - Present and Future Regional Flood Frequency Analysis using Dynamic Fuzzy Clustering Model Regional Flood Analysis: A case study of Upper Narmada River Basin FLOOD SIMULATION IN COASTAL URBAN WATERSHED USING FEM-GIS BASED MODEL Developing an Improved Flood Forecasting Mechanism for the Township of Gawler, South Australia.	L. B. ROY Md. Mizanur Rahman Satyanarayana Patnaikuni Dewasha Thalia S.S. Shahapure B. Saha	N.K. Goel V. V. Srinivas Anur Thalia T.J. Eltho G. Hewa	D.S. Arya	E.P. Rao	D. V. S. Nanna		
Room 4	7-Jan-10	1:30 PM - 3:00 PM	<b>Faculty Student Mixer</b>							
	Moderator(s)		Indumathi Nambi, K.P. Sudheer and Chandra Pathak							
Room 5	7-Jan-10	1:30 PM - 3:00 PM	<b>GW 5 : Groundwater Contamination - II</b>							
	Moderator(s)		B.S. Murthy							
			AN EFFICIENT NUMERICAL MODEL FOR ANALYSIS OF VIRUS TRANSPORT THROUGH UNSATURATED ZONE Polymer Resin for the Removal of Boron from Deep Sea Water: Batch and Column studies Nutrient Loading in the Indian River Lagoon from Groundwater Occurrence of Arsenic in Assam and its Remediation VIRUS TRANSPORT THROUGH FRACTURED PERMEABLE POROUS MEDIA Multivariate Statistical evaluation of Heavy Metals in Groundwater of Paper mill Effluent Irrigation fields	Dwarikanath Ratha Alka Tiwari Nawazish Ali SANDIP MONDAL Pranod Sharma Nilia Rekha	K.S. Hari Prasad Kyu-Man Choi Howel Heck CHANDAN MAHANTA C.S.P. Ojha N. K. Ambujam	C. S.P. Ojha Joon-Mo Lee Ashok Pandit	Seung-Mok Lee	Jae-kyu Yang		

SPECIAL LECTURE

5-Jan-10	12:30 PM - 1:30 PM	<b>Challenges in Securing India's Water Future</b>	Upmanu Lall
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POSTER SESSION

Poster Room	7-Jan-10	1:30 PM - 3:30 PM	<b>Poster Session # 5</b>							
	Moderator(s)		Anurag Nayak							
			Development of an All Pipes Water Distribution Model Predicting Pier Scour in Coarse-bed Streams PREDICTION OF ATMOSPHERIC DRY DEPOSITION OF TOTAL PHOSPHOROUS USING NEURAL NETWORK Influence of anionic surfactant on the transport of Cryptosporidium parvum oocysts and oocysts sized microspheres advected through granular porous media To anticipate flood in basins that is lacked of statistics with use of regression table and artificial neural networks TRENDS IN CLIMATE CHANGE INDICES OVER INDIA DURING THE RECENT 30 YEAR CLIMATOLOGICAL PERIOD (1976-2005) Identification of Maximum Groundwater Discharge from Dore River Basin, France Pollution of the geohydrologic systems - How are polluted the geohydrologic systems? Reduction of Pollutant Loadings in Waste water streams from Food and Beverage Industries OPTIMAL OPERATION OF KAKKI RESERVOIR OF PAMBA BASIN IN KERALA Biotreatment of Coal Washery Effluent by Lemna Minor Effect of Drip Irrigation and Fertilizer Levels on Growth of Teak HYDROLOGICAL AND 1-D HYDRODYNAMIC MODELING IN MANALI SUB-BASIN OF BEAS RIVER, HIMACHAL PRADESH, INDIA Simulation of PCE degradation and nitrification in sub surface media using particle based computation Water Pricing for Urban Water Supply	David Khan David Froehlich Sundarambal Palani Arvind Mohanram K. Kishor Vijaya Kumar S. Gaur Pierre Adam Chinnu Subramaniam A. B. Anitha Selvi A. Vetivel Deepak Raat Praveen Thakur Jegathambal Palanichamy E. N. Narayanan	Bushra Nishat Balasubramanian Rajasekhar Chittaranjan Ray A. Jahangirzadeh N. Balaj D. Gralliot S. Muthukumar K. V. Jayakumar A. Kumar	S M Mahburur Rahman Pavel Tkach Ronald W Harvey D. Mimoun K. Bakaran V. P. Dineshan L. C. Ram	Chin Sing Lim Dave W Metge B. R. Chahar N. K. Joseph S. Kumari	Serena Teo R. E. Mastio B. Nikam		

NT SESSIONS

Room 1	7-Jan-10	3:30 PM - 5:00 PM	<b>WPM 10 : Socioeconomic Issues in Water Resources Development</b>							
	Moderator(s)		Jerry Webb							
			IMPACT OF WATER RESOURCES DEVELOPMENT – AN ANALYTICAL STUDY ON MULTIPLE USES AND LIVELIHOOD OPTIONS Socio-Economic Analysis of Flood Impact: A Case Study in Suburban Chennai, India Reversing Environmental Degradation for Poverty Alleviation in Urban Slums of Bangladesh Socio economic Implications on the Groundwater Development in Chennai and its Peri-urban Interface, South India Response Survey Analysis and Performance Evaluation of an Irrigation System SOCIO-ECONOMIC IMPLICATIONS OF DEPLETING GROUNDWATER RESOURCE IN PUNJAB: A COMPARATIVE ANALYSIS OF DIFFERENT IRRIGATION SYSTEMS	Anuradha Baskaran Surya Sankar Md. Mujibur Rahman Packialakshmi Shanmugam A Vasan Anandita Sarkar	N.K. Ambujam B. V. Madgal Mohammad Adnan Rajib N.K. Ambujam K Srinivasa Raju	K Karunakaran Prakash Nellyyat Prakash nellyyat	K. Karunakaran			
Room 2	7-Jan-10	3:30 PM - 5:00 PM	<b>WW 6 : Water Supply Treatment Technologies for Developing Countries</b>							
	Moderator(s)		Jeanette Brown							
			Solar water disinfection – a promising technology for providing safe water for rural and periurban households in Uganda COMPARING THE EFFICIENCY OF NANOFILTRATION, COAGULATION AND ADSORPTION IN PHENOL SULFONIC ACID REMOVAL FROM TIN PLATING INDUSTRY Removal of carbon and nitrification of wastewater using novel constructed soil filter Significance of Sensitivity Analysis in maintenance of Water Treatment Plant. Sanitary Sewer Overflow (SSO): Taming the Wastewater Collection System in a Challenging Urban Environment Photocatalytic degradation of fulvic acids in a visible LED based photoreactor	E Wozei nasim zare Pravin Nemade Srinivasa Rao Owais E. Farooqi Jyoti Ghosh	RN Kulabako Ali toraban Srikant Karthik Sihani Surathkal Philip M. Haznan Cooper H Langford	J Nakulwra gholamreza nabibdhendi Harisharan Shankar M K Nagaraj	D Byaruhanga	C Niwagaba	H Kalibbala	M Nalubega
Room 3	7-Jan-10	3:30 PM - 5:00 PM	<b>GW 5 : Management of Large Rivers of the World</b>							
	Moderator(s)		Pradeep Mujumdar							
			THE HARLEM RIVER BANK RESTORATION The Ganges-Brahmaputra river basin: Major challenges in the 21st century A Satellite Data Based Approach to Study Braiding Behavior for Monitoring and Management of the Brahmaputra River River Bank Erosion and Restoration in the Brahmaputra River in India Rationalizing the 1962-2006 drop in Water Levels of Lakes Michigan and Huron Water Resources in the Brahmaputra Basin: Need of Renewed Policy Initiative for Effective Development and Management	SUFIAN KHONDKER Davy Vanham Nayan Sharma Arvind Phukan Syed Moain Chandan Mahanta	RICARDO HINKLE Devaraj de Condappa Md. Perwez Akhtar Rajit Goswami Anthony Eberhardt Lalit Saikia	Kim Liew Wolfgang Rauch Deva Borah Ananta Nath Runti Choudhury	Chandan Mahanta	Ananta Nath	Deva Borah	Arvind Phukan

CONCURRENT

Room 4  
 7-Jan-10 3:30 PM - 5:00 PM **PANEL DISCUSSION: Water and Environmental Issues**  
 Moderator(s) TBD

Room 5  
 7-Jan-10 3:30 PM - 5:00 PM **GW 6: Management of LNAPL and DNAPL Plumes**  
 Moderator(s) Prabhakar Clement

PRODUCTION OF BIOSURFACTANTS UNDER ANAEROBIC CONDITION AND SIMULTANEOUS BIODEGRADATION OF TETRACHLOROETHYLENE  
 Contaminant Transport under temporally varying Aqueous Phase Permeability with a dissolving NAPL Mass: Experimental and Numerical Simulations.  
 Micromodel studies for understanding residual mercury entrapment in the subsurface  
 CONTAMINANT TRANSPORT MODELING IN POROUS MEDIA USING MESHFREE METHODS BASED ON COLLOCATION TECHNIQUES WITH RADIAL BASIS FUNCTION  
 HYDRODYNAMIC DISPERSION OF RADIOACTIVE POLLUTANTS IN GROUND WATER FLOW  
 STATUS, FATE AND TRENDS OF, RADIUM-226, THORIUM-232, AND POTASSIUM-40 IN KALPAKKAM NUCLEAR COMPLEX

John Albino  
 Pavithra Mishra  
 Devisena M  
 Meenal Mategaonkar  
 Sanat Nalini Sahoo  
 Raja Ramachandran

Indumathi Nambi  
 Indumathi M Nambi  
 Indumathi Nambi  
 T.I. Elkho  
 Pradeep Das  
 Ramesh Ramachandran

Gouranga Charan Dash  
 S.Ramkumar

V.Kannan