

Two Day National Conference
on
Water, Environment & Society (NCWES-2014)
PROGRAM SCHEDULE – Day-I

Date: 30-06-2014

Venue: New IST Seminar Hall, JNTUH, Kukatpally

Time	Session
08.00 am – 10.00 am	Registration
10.00 am – 11.00am	Inaugural Function
11.00 am – 11.15 am	Tea
11.15 am – 12.45 pm	<p><i>Technical session-I: Hydrologic Parameter Estimation and Modeling</i> Key note Speaker: <i>Dr. S. Mohan</i>, Prof of Civil Engineering and Director, NITTR, Chennai Title : Computational Data Intelligence in Hydrological Modeling Chairman: <i>Dr. B. Venkateswara Rao</i>, Professor of Water Resources & Director, SCDE, JNTUH. Co-chairman: <i>Dr. C. Sarala</i> Professor of Water Resources, IST,JNTUH</p>
12.45 pm - 01-30 pm	Lunch
01.30 pm – 02.45 pm	<p><i>Technical session-II Climate Change & Environment</i> Key note Speaker: <i>Dr. D. Nagesh Kumar</i>, Chairman, Centre for Earth Sciences (CEaS), Professor, Water Resources and Environmental Engineering, Dept. of Civil Engineering, Indian Institute of Science. Title: <i>Water Resources Assessment due to Climate Change Impacts</i> Chairman: <i>Dr. K.S. Raju</i>, Professor of Civil Engineering, BITS Hyderabad Campus. Co-chairman: <i>Dr. K Ramamohan Reddy</i>, Professor & Head, Centre for Water Resources and Centre for Spatial and Information Technology.</p>
02.45pm – 04.00 pm	<p><i>Technical session-III Hydro power, Biodiversity, Catchment Treatment and EIA</i> Key note Speakers: 1. <i>Dr. Jyothi Prakash</i>, Associate Professor, Dept. of Civil Engineering, IIT Bombay. Title: <i>Chaotic Analysis Of Daily Wind Speed Data</i> 2. <i>Dr. Ramancharla Pradeep Kumar</i>, Professor of Civil Engineering, IIT Hyderabad Title : <i>Need for Introducing Human Values & Professional Ethics In Engineering Education</i></p> <p style="text-align: center;">Parallel Session I</p> <p>Chairman: <i>Dr. G.K. Viswanadh</i>, Professor of Civil Engineering & Officer on Special Duty to VC Co-chairman: <i>Dr. M. Prabhakar</i>, Senior Scientist (Agril. Entomology) Division of Crop Sciences, Central Research Institute for Dry land Agriculture (CRIDA)</p> <p style="text-align: center;">Parallel Session II</p> <p>Chairman: <i>G. Abbaiah</i>, Professor of Civil Engineering, JNTUKakinada Co-chairman: <i>Dr. K. Venkateswara Rao</i>, Professor of Nano Science and Technology & ACE-2, JNTUH</p>
04.00 pm	Felicitation to Dr. K. Mukkanti, DIRECTOR, IST,JNTUH
5.00pm	Tea

**Two Day National Conference
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PROGRAM SCHEDULE – Day-II

Date: 01-07-2014

Venue: New IST Seminar Hall, JNTUH, Kukatpally

Time	Session
10.00am- 11.15 am	<p><i>Technical session-IV : Groundwater Exploration, Development, Recharge and Modeling</i></p> <p>Key note Speakers: <i>Dr. A.D Rao</i>, Regional Director, Southern Region, Hyderabad, Central Ground Water Board (CGWB) Title: <i>Aquifer Systems and their Characteristics in India</i></p> <p>Chairman: <i>Dr. N.V. Ramana Rao</i> Prof of Civil Engineering, and Registrar, JNTU Hyderabad. Co-chairman: <i>Mr. G.D. Ojha</i>, Sr. Faculty & Head, WRE Division, Engineering Staff College of India (ESCI).</p>
11.15 – 11.30 am	Tea Break
11.30 am – 12.45 pm	<p><i>Technical session-V Water quality, water treatment, pollution and society</i></p> <p>Key note Speaker: <i>Dr. W.G. Prassana Kumar</i>, Social Scientist, APPCB.</p> <p>Chairman: <i>E. Sai Baba Reddy</i>, Professor of Civil Engineering, JNTUH. Co-chairman: <i>Dr. V. Venkateshwara Reddy</i>, Professor of Civil Engineering, JNTUH.</p>
12.45 pm – 01.30 pm	Lunch
01.30 pm – 03.00 pm	<p><i>Technical session-VI Water and Irrigation Management</i></p> <p>Key note Speaker: <i>Dr. K.V. Subba Rao</i>, M.D (PEDIATRICS), Associate Professor of Pediatrics, Niloufer hospital Title: Water quality and its effects on human health Chairman: <i>Dr M. Viswanadham</i>, Director, DUFR. Co-chairman <i>Dr. M.B. Nagdeve</i>, Chief Scientist, AICRP for Dry Land Agriculture.</p>
03.00 pm	Valedictory Programme

Organizing Secretary: Dr. M. V. S. S. Giridhar, Assistant Professor,
Centre for Water Resources, Institute of Science Technology,
Jawaharlal Nehru Technological University Hyderabad

Two day national conference
on
Water Environment & Society
30th June 2014 and 1st July 2014

TECHNICAL SESSION – I	
<i>HYDROLOGIC PARAMETER ESTIMATION AND MODELING</i>	
Keynote	Computational Data Intelligence in Hydrological Modeling <i>S. Mohan</i>
Sl. No	Title
1	Analysis of Sedimentation of Reservoirs and Fixing of Dead Storage using the Observed Rate of Sedimentation <i>Md. Mahboob Hussain</i>
2	Economic Appraisal of Watershed Programmes in Kadapa District – A Case Study <i>T. Kiran Kumar and G. Abbaiah</i>
3	Integrated Water Resources Management in Upper Thuringalur Sub-Basin of Ponnaiyar River Basin in Tamilnadu <i>K. Santhanam and K. Venugopal</i>
4	Classification of Rain Fed Micro-Watersheds based on Physical and Hydrological Parameters using Clustering Analysis and Geospatial Techniques <i>A. Sivasena Reddy and M. Janga Reddy</i>
5	Surface Flow Measurement using Large Scale Particle Image Velocimetry <i>Naresh A. and Gopal Naik M.</i>
6	Downscaling the Precipitation using SDSM <i>S.S. Kodihal, V.R. Saraf and D.G. Regulwar</i>
7	Quantification of Morphometric Characterization and Prioritization of Watersheds using Multi Criterion Decision making and GIS Approaches <i>Parupalli Sridhar and K. Padma Kumari</i>
8	Shoreline Change Rate Prediction using Statistical Methods – WLR and EPR <i>Durusaju Hari Prasad, Nandyala Darga Kumar, M.G. Muni Reddy and G. Naresh</i>
9	Estimation of Confined Aquifer Parameters from Residual Draw downs – A Genetic Algorithm Approach <i>Gautham P.V.N., Anita Nag, and Phanindra K.B.V.N.</i>
10	Surface Water Bodies Monitoring using GIS <i>Ramaraju Anirudh and M.V.S.S. Giridhar</i>
11	Development of 1-Dimensional Coupled Wavelet-Neural Network Model to Predict Suspended Sediment Discharge <i>Subhavana K.L., Keerthi K, Rama Tammu, and Phanindra K.B.V.N.</i>
12	A Study on the Relationship between Kalpana VHRR Land Surface Temperature and AWS Observed Air Temperature <i>M. Sarada, K. RamaMohan Reddy and P. Manavalan</i>
13	Rainfall-Runoff Modeling – A Geomatic Approach <i>Darshanala Ashok, G.K. Viswanadh, A.S. Chandra Bose and M.V.S.S. Giridhar</i>

TECHNICAL SESSION – II
CLIMATE CHANGE AND ENVIRONMENT

Keynote	Water Resources Assessment due to Climate Change Impacts <i>D. Nagesh Kumar</i>
Sl. No	Title
1	Saving Women’s Time and Energy through Sustainable Energy Practices in the Hill Areas of the Kullu Valley, Himachal Pradesh: A Successful Initiative of Community based Organisation Jagriti, Kullu <i>Sarla Shashni and Mamta Chander</i>
2	Present Scenario and Future Challenges of Water Resources in India <i>R. Shankar and K. Sandya Rani</i>
3	Effect of Climate Change on Water, Environment and its Consequences <i>S. Jeevananda Reddy</i>
4	Environmental Impacts of Metal Driven Vectors of Acid Mine Drainage from Mining-Metallurgical Complexes- An Insight <i>Kankan Mukhopadhyay and S. Chakrabarti</i>
5	Income Enhancement and Resource Conservation through Chickpea (Kabuli Type) Cultivation in Watershed Programme of Central India <i>P.K. Panda, A.K. Singh, S.K. Dubey and A. Kumar</i>
6	Environmental Risk Assessment and Mitigation <i>B. Gopala Rao</i>
7	Community Participation in Conservation of Marine Eco System Biodiversity in Tallarevu Mandal, East Godavari District in Andhra Pradesh <i>Jhansirani Rapaka</i>
8	Studies on Impact of Mining on Surface and Groundwater in Chimakurthi Mandal of Prakasam District, Andhra Pradesh, India <i>G. Sreenivasa Rao, A. Manjunath and M.V.S.S. Giridhar</i>
9	Fungal Diversity Studies from the Soil Samples of Desiccate Surface of Ponds with Different Land-use <i>Murali Krishnan, V. Jayalakshmi, N. Arun Nagendran and D. Kannan</i>
10	Comparative Analysis on the Riparian Vegetation of the Pambar and Thalaiyar Freshwater Streams, Tamilnadu, India <i>P. Packiaraj and D. Kannan</i>
11	Effect of Pharmaceuticals to the Environment and Wildlife: Occurrence and Options for Action <i>Praveen Chandragiri and Kusum B.</i>
12	Effect of Climate Change on Environment and its Consequences <i>M. Madhu</i>

TECHNICAL SESSION - III	
HYDROPOWER, BIODIVERSITY, CATCHMENT TREATMENT AND EIA	
Keynote	Chaotic Analysis of Daily Wind Speed Data <i>V. Jothiprakash, K.V. Krishna Dhanya and T.A Fathima</i>
Sl. No	Title
1	A Study on the Aquatic Flora Diversity in Vettangudi Birds Sanctuary Pond, Sivagangai, Tamilnadu <i>M. Mahesh, C. Selvaganesh and D. Kannan</i>
2	Treatment of Industrial Effluent at Jeedimetla Effluent Treatment Plant <i>P. Pallavi, G. Kalyani, V. Hanumatha Rao, Y. Prasanna Kumar and P. King</i>
3	Impact Study of Regulator Cum Bridges <i>Abdul Hakkim V.M, Jomol T. Joseph, Rasmina P. and Remya V.Mohan</i>
4	Hydro Power Development in India and Environmental Issues <i>Md. Jalal Uddin and S. Hemanth Sai</i>
5	Application of Cluster Validation Indices to Performance Evaluation: A Case Study <i>K. Srinivasa Raju and D.V.Morankar</i>
6	Flood Management Planning in the Mahanadi River Basin, Odisha <i>V.K. Tripathi, P.K. Parhi and K.S. Rawat</i>
7	The Standard Precipitation Index Analysis for Drought Assessment in Indian Agro-Climatic Regions, using of GIS and Remote Sensing Data <i>Kishan Singh Rawat, Vinod Kumar Tripathi, George Paul and Anil Kumar Mishra</i>
8	A Mathematical Model for Hydropower Scheme <i>K. Rama Krishna Reddy, M. Anjaneya Prasad and S. Prsanna</i>
9	Economical Hybrid Power Systems <i>V.T. Varuna Mithra, R. Sharmila and M.V.S.S. Giridhar</i>
10	Effect of Salt Stress on Germination and early Seedling Growth Stage of Roselle (<i>Hibiscus sabdariffa</i> L.) Landraces <i>Rathnam K., N. Sivaraj and Adhi Shankar</i>
11	Analysis of Hydrological Responses of Watershed by using SWAT Model <i>Kapil K Gitte, S.R. Nagargoje and D.G. Regulwar</i>
12	Storm Water Management Problems and Initiatives in India <i>Zameer Ahmed, D. Ram Mohan Rao, K. Ram Mohan Reddy and Y. Ellam Raj</i>
13	Chemical variations in the soils of the south west region of palanadu, guntur(DT) <i>G.babu rao¹ & a.vijaya ramaraju²</i>
14	Chemistry and quality of ground water in one of the sub basin of guntur (DT) <i>G.babu rao¹ & a.vijaya ramaraju²</i>

TECHNICAL SESSION – IV	
GROUND WATER EXPLORATION, DEVELOPMENT, RECHARGE AND MODELING	
Keynote	Aquifer Systems and their Characteristics in India <i>A.D. Rao</i>
Sl. No	Title
1	Assessment of Depth to Groundwater Levels (DTW) in Kalyandurg Area of Anantapur District, Andhra Pradesh, India using Remote Sensing and GIS Techniques <i>K. Raghuvveer Naidu, Nagaraja.Ravoori, and Y.V. Ramanaiah</i>
2	Subsurface Dam- An Efficient Groundwater Recharge Measure <i>B. Tejaswini and B. Supraja</i>
3	Texture based Classification of Microwave Imagery <i>Y. Murali Mohan Babu, M.V. Subramanyam, and M.N. Giri Prasad</i>
4	Estimation of Evapotranspiration by Artificial Neural Network <i>Nikhil S. Patil and D. G. Regulwar</i>
5	A Numerical Model on Flood Management for Godavari Sub-Basin <i>P. Lakshmi Sruthi, G. Shiva Kumar and P. Rajasekhar</i>
6	Identification of Impacts of Groundwater Mining and Recharge Structures at Tummalapalli Uranium Mining Area <i>B. Venkateswara Rao, P. Lakshminarayana and Y. Siva Prasad</i>
7	Simulation of Ground Water Recharge Estimation for Soil Water Balance Method <i>Arfath A. Khan, M. Anjaneya Prasad and M.V.S.S. Giridhar</i>
8	Assessment of Water Quality Index of Groundwater Samples in Kattedan Industrial Area, Ranga Reddy District, Andhra Pradesh, India <i>K.B. Rekha and M.V.S.S. Giridhar</i>
9	Rain Water Harvesting and Recharge Augmentation Through Percolation Tank in Semi-Arid Areas- A Case Study <i>S. Vijayakumar, K.V. Rao, C. Sarala, Vinaykumar K. and M. Prabhakar</i>
10	An Insight into the Hydrogeochemistry of Near Surface Coastal Aquifers of Digha-Shankarpur Tract, East Midnapore District, West Bengal: Identifying Salinity Hazard and Scope for Sustainable Management <i>Sunanda Jas and S. Chakrabarti</i>
11	2D Resistivity Imaging Survey for Charecterization of Hard Rocks in Annaram Village, Karimnagar District, Andhra Pradesh <i>A. Shravan Kumar and C. Sarala</i>
12	2-D Resistivity and Induced Polarization Surveys for Charecterisation of Hard Rocks in Kudliar Watershed, Medak District, AP. <i>A. Shravan Kumar and M.V.S.S Giridhar</i>
13	Vertical Electrical Sounding for finding Groundwater Potential Zones in IIT Kandi Campus, Hyderabad, Andhra Pradesh <i>P. Srinivasa Rao, A. Lokesh Kumar, P.V.N. Gautam, S. Karthik and T. Shashidar</i>

TECHNICAL SESSION - V	
WATER QUALITY, WATER TREATMENT, POLLUTION AND SOCIETY	
Keynote	Need for Introducing Human Values & Professional Ethics in Engineering Education by Ramancharla Pradeep Kumar
Sl. No	Title
1	Role of Society in Safeguarding and Strengthening of basic Elements of Life <i>Aravind Babu Chilukuri</i>
2	Phytoremediation of Chromium (VI) in Water using Germinated Seeds <i>N. Gandhi, D. Sirisha and K.B. Chandra Sekhar</i>
3	Decolorization of Nigrosine WS (AB2) Dye by Solar Photo-Fenton Process <i>Akash Tikhe and M. R. Gidde</i>
4	Relative Physical Qualities of Water Samples of different Ponds with Varying Utilization <i>M. Mahesh, S. Murali Krishnan, N. Arun Nagendran and D. Kannan</i>
5	Identification of Rainwater Harvesting Structures to Increase the Groundwater Levels at RVS Nagar, Chittoor <i>Mohan Babu and G.K. Viswanadh</i>
6	Resistivity Survey to Assess the Seawater Intrusion on Coastal Aquifer of Minjur Block in Tamil Nadu <i>T. Siva Subramanian, V.E. Nethaji Mariappan and Nagaraju Thummala</i>
7	Identification and Mobility of Major Water Contaminants-Radionuclide and Metal in and its affected Area of the Tailing Ponds of Uranium Mines <i>K. Laxman Singh, G. Sudhakar and C. Muralidhar Rao</i>
8	Physico Chemical Assessment and Comparison of Quality of Underground Drinking Water at Periodic Interval in the Village of Srikurmam, Gara Mandal in Srikakulam District, Andhra Pradesh, India. <i>Mushini Venkata Subba Rao, Vaddi Dhilleswara Rao and Nadikatla Santhosh Kumar</i>
9	Determination of Physico-Chemical Parameters in Water Samples from Selected Periphery of Beemaram, Warangal <i>Veerati Radhika</i>
10	Ediction Prediction and Comparison of Municipal Solid Waste – A Case Study <i>S.V.S.N.D.L. Prasanna</i>
11	Modeling Longitudinal Dispersion Coefficient in Meandering Rivers using Fuzzy Logic by Karthick, S, Srinivasarao, P. and Phanindra KBVN
12	Performance Evaluation of A Sewage Treatment Plant using Rhodamine- B Tracer <i>P. Lakshmi Sruthi, G. Shiva Kumar and P. Rajasekhar</i>
13	Studies on Physico-Chemical Analysis and Quality Awareness of Water in Villages around Nasik City, Maharashtra <i>Pratap D Dhondge and Raghunath</i>
14	Laboratory Bench Scale Experimentation on Phosphate Removal from Contaminated Water using Nano-Structured Synthetic Bimetal Oxide <i>Susnata Ray, U.C. Ghosh and S. Chakrabarti</i>
15	Mobility of Cadmium in Sewage Sludge Applied Alluvial Soil and its uptake by Radish (<i>Raphanus sativus L</i>) <i>Jitendra Singh and Kishan Singh Rawat</i>
16	Suitability Evaluation of Physico-Chemical Parameters of Ashwaraopally Lake Water for Irrigation <i>Ch. Kranthi and V. Hema Sailaja</i>

TECHNICAL SESSION - VI
WATER AND IRRIGATION MANAGEMENT

Sl. No	Title
1	Eternal and Abundant Water Supply for India <i>Arun Bandi</i>
2	Economic Viability of Lift Irrigation Schemes (LIS) in Andhra Pradesh taken up under “JALAYAGNAM” <i>N. Chalamaiah</i>
3	Continuous Contour Trenches - A Useful Measure for Developing Soil Moisture Regime in the Catchment <i>R.S. Patode, M.B. Nagdeve and K. Ramamohan Reddy</i>
4	In-Situ Soil and Water Conservation Measures for Rainwater Harvesting <i>R.S. Patode, M.B. Nagdeve and K. Ramamohan Reddy</i>
5	Smart Water Technology – The Need <i>S.R. Gaikwad</i>
6	Strategies for Improving Water use Efficiency in Agriculture <i>K. Sandya Rani and R. Shankar</i>
7	Location Prioritisation of Water Conservation Measures in Rangapur Watershed in Middle Krishna Basin using Remote Sensing and GIS <i>Mallika K and Maheshwara Babu B.</i>
8	Study of Water Utilization of in Pench Irrigation Project <i>S.S. Wane and M.B. Nagdeve</i>
9	Land Cover Classification of Risat-1 Data <i>Y. Murali Mohan Babu, M.V. Subramanyam and M.N. Giri Prasad</i>
10	Estimation of Net Irrigation Water Requirements for Different Soils in a Canal Command area <i>Ch. Ramesh Naidu and M.V.S.S. Giridhar</i>
11	Salient Features of the Andhra Pradesh Farmers Management of Irrigation Systems Act & Rules, 1997 – Status, Present and Future Initiatives <i>G. Surender</i>
12	Development of Spectral Library for different Crops using Spectroradiometer <i>P. Sowmya, M.V.S.S Giridhar and M. Prabhakar</i>
13	Use of Flyash in Vegetable Production and Improvement of Soil Fertility – A Review <i>M. Surender, A. Shankar, K. Rathnam and P. Arun</i>
14	Integrated Watershed Management by using Remote Sensing and Geographical Information System: A Case Study <i>G.K. Viswanadh, B. Rajesh Reddy, G. Sarath Chandra and M.V.S.S Giridhar</i>