

**Report
on
Three day National Conference on Water, Environment and Society,
on 16th March and 18th March – 2017
at Seminar Hall, Ground Floor, Institute of Science and Technology,
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad**

Water is indispensable for life and more so for man and society. The demand for water for irrigational and industrial uses also increased correspondingly to meet the requirements of the growing population. The world's water supply is a finite resource and the practice of water reuse helps to conserve it. The use of virtual water is an emerging concept in countries where the carrying capacity of a society is not sufficient to produce land and water intensive products itself. The closing of cycles should be realized at different spatial scales such as

- The rural scale, implying water conservation, nutrient and soil conservation, prevention of over-drainage and the recycling of nutrients and organic waste.
- The urban scale, both in towns and mega-cities, implying the recycling of water, nutrients and waste.
- The river basin scale, implying: soil and water conservation in the upper catchment, prevention of runoff and unnecessary drainage and enhancement of infiltration and recharge, flood retention, pollution control and the wise use of wetlands.
- The global scale, where water, nutrient and basic resource cycles are integrated and closed.

It is in this context and backdrop that the Centre for Water Resources, Institute of Science and Technology, JNTUH felt the need to organize a two day national conference on Water, Environment and Society (NCWES-2017) to take stock of the current status of applications in water resources development and

management and also to identify areas most relevant to ensure sustainable development of water resources and environment to benefit the society at large.

In addition to focal theme we have interesting themes like hydrological parameter estimation and modeling, Climate change & environment, hydropower, biodiversity, catchment treatment & EIA, Groundwater exploration, development, recharge and modeling, water quality,

The response to the brochure/circular/emails was overwhelming, 104 abstracts were received, out of which 90 full length papers were accepted for presentation spreading over eight technical sessions. All Ninety full-length papers were selected for publication in the proceedings volume with 587 pages, which was released on the inaugural day by the chief guest Prof. A Venugopal Reddy, Vice-Chancellor, Jawaharlal Nehru Technological University Hyderabad, Kukatpally Hyderabad. A souvenir cum abstract volume is also brought out with important messages from officials Dr. T. Jayaseelan, Scientist SG & General Manager, RC, National Remote Sensing Centre, Hyderabad, Ghosh Bobba A, Research Scientist / Hydrogeologist (Ret), Hamilton, ON, Canada, Dr. Jaya Shree, Director, Institute of Science and Technology, JNTUH, Kukatpally, Hyderabad and a preface note on conference by the convener Dr. M.V.S.S. Giridhar along with programme schedules.

More than 150 delegates have participated in this three days conference representing most parts of the India including Kerala, Karnataka, Tamilnadu, Andhra Pradesh, Maharastra, Telanagana, Jarkhand, Uttar Pradesh and West Bengal. The total list is enclosed in Annexure – I. From the state of Telangana, we have a representation from all most all parts of the state including state government, private, NGO's and students from various universities.

In the Inaugural Session very eminent person Prof. A Venugopal Reddy Vice-Chancellor, Professor of Computer Science and engineering, Jawaharlal Nehru Technological University Hyderabad, Kukatpally Hyderabad have addressed the gathering and the explain the need of the society for their involvement to maintain the sustainable environment and Dr. Jaya Shree, Director, Institute of Science and Technology, JNTUH, Kukatpally, Hyderabad has presided over the function. After inaugural function, the real technical sessions had started; the details of the technical session are herewith enclosed in Annexure –II.

The three day national conference on NCWES is focused on its attention on various themes in the form of technical sessions such as

1. Hydrologic parameter estimation & modeling
2. Climate change and environment
3. Hydropower, bio-diveristy, catchment treatment and EIA
4. Groundwater exploration, development, recharge and Modeling
5. Water quality, water treatment, pollution and society
6. Water and irrigation management
7. Water Management, Rainfall and Rainwater Harvesting
8. Geospatial Applications in Water resources

Eight key notes were delivered by *Dr. T. Jayaseelan*, Scientist SG & General Manager, RC, National Remote Sensing Centre, Hyderabad, *Dr. P.N. Rao*, Regional Director, Central Ground Water Board, Southern Region, Hyderabad , *Dr. P.V. Raju*, Head–Water Resources Management, RSAA, National Remote Sensing Centre, Hyderabad, *Shri. Ch. Rudra Murthy*, Assistant Director of Agriculture (R) Maheshwaram Division, Rangareddy District, *Dr. Abdul Hakkim V.M.*, Professor & Head, Dept. of Land and water Resources &

Conservation Engineering (LWRCE), KCAET (Kerala Agricultural University) Tavanur (P.O.), Malappuram (Dt.), Kerala. , *Dr. K.V Subba Rao, M.D.* Pediatrician, Associate Professor of Pediatrics, Super Specialist for childhood Asthama, Pneumonia, Allergies, and Respiratory Diseases, Niloufer Hospital for Women and Children, Hyderabad, *Dr. G.K. Viswanadh*, Officer on Special Duty to Vice-Chancellor and Professor of Civil Engineering, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad and *Dr. Neelima Satyam D*, Assistant Professor, Geotechnical Engineering Laboratory, Earthquake Engineering Research Centre IIIT Hyderabad, Gachibowli, Hyderabad.

Best paper was given to each session to the presenter selected by the chairman of the session. Total eight best papers were distributed. Finally, the program ended with valedictory function with the chief guest Dr. N Yadaiah Sir, Registrar, Jawaharlal Nehru Technological University Hyderabad along with Dr. K. Yella Reddy Sir, Director (A&R), Walamtari, Hyderabad, and Dr. G.K. Vishwanadh Sir, Officer on duty to Vice Chancellor and professor of CEH, JNTU, Hyderabad, both as a guests of honour.

PROGRAM SCHEDULE – Day-I**Date: 16-03-2017****Venue: New IST Seminar Hall, JNTUH, Kukatpally**

Time	Session
09.00 am – 10.00 am	Registration
10.00 am – 11.00am	Inaugural Function
11.00 am – 11.15 am	Tea
11.15 am – 01.30 pm	<i>Technical Session-I Geospatial Applications in Water Resources</i> Key Note: <i>Dr. T. Jayaseelan</i> , Scientist SG & General Manager, RC, National Remote Sensing Centre, Hyderabad Chairman: <i>Dr. R.S. Dwivedi</i> , Rtd Group director, National Remote Sensing Centre, Hyderabad Co- Chairman: <i>Shri. J. Venkatesh</i> , Head, Centre for Spatial for Information Technology, Institute of Science and Technology, JNTUH
01:30 pm - 02-30 pm	Lunch
02.30 pm – 02.30 pm	<i>Technical Session – II Groundwater Exploration, Development, Recharge, Modeling and Quality</i> Key Note: <i>Dr. P.N. Rao</i> , Regional Director, Central Ground Water Board, Southern Region, Hyderabad Chairman: <i>Dr. B. Venkateswara Rao</i> , Professor, Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad Co- Chairman: <i>Dr. A.R. Pimpale</i> , Assistant Professor, College of Agriculture, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (M.S.), India
03:30 pm- 4:00 pm	Tea Break
04.00pm – 06.00 pm	<i>Technical Session- III Hydrologic Parameter Estimation and Modeling</i> Key Note: <i>Dr. P.V. Raju</i> , Head–Water Resources Management, RSAA, National Remote Sensing Centre, Hyderabad Chairman: <i>Dr. K. Rammohan Reddy</i> , Professor, Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad Co- Chairman: <i>Prasanna S.V.S.N.D.L</i> , Assistant Professor, Civil Engineering Department, University College of Engineering, Osmania University

PROGRAM SCHEDULE – Day-II**Date: 17-03-2017****Venue: New IST Seminar Hall, JNTUH, Kukatpally**

Time	Session
10.00am- 11.15 am	<i>Technical Session –IV Water Conservation and Irrigation Management</i> Key Note: <i>Shri. Ch. Rudra Murthy</i> , Assistant Director of Agriculture (R) Maheshwaram Division, Rangareddy District. Chairman: <i>Dr. Mithra Dey</i> , Professor, Department of Ecology & Environmental Science, Assam University, Silchar- 788011. Assam, India Co- Chairman: <i>R.S Patode</i> , AICRP for Dryland Agriculture, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra,

	India
11.15 – 11.30 am	Tea Break
11.30 am – 01.30 pm	<p><i>Technical Session – V Water Management, Rainfall and Rainwater Harvesting</i></p> <p>Key Note: <i>Dr. Abdul Hakkim</i>, V.M. Professor & Head, Dept. of Land and water Resources & Conservation Engineering (LWRCE), KCAET (Kerala Agricultural University) Tavanur (P.O.), Malappuram (Dt.), Kerala.</p> <p>Chairman: <i>Dr. S. Jeevananda Reddy</i>, Formerly Chief Technical Advisor – WMO/UN & Expert – FAO/UN Fellow, Andhra Pradesh/Telangana Academy of Sciences, Convenor, Forum for a Sustainable Environment, Hyderabad</p> <p>Co- Chairman: <i>Dr. Mangala Telgote Ghanbahadur</i>, Professor and earlier Chief Agronomist AICRP-IFS, College of Agriculture, Akola, Maharashtra.</p>
01.30 pm – 02.30 pm	Lunch
02.30 pm – 04.30 pm	<p><i>Technical Session – VI Urbanisation, Bio-diversity and EIA and Human Health</i></p> <p>Key Note: <i>Dr. K.V Subba Rao</i>, M.D. Pediatrician, Associate Professor of Pediatrics, Super Specialist for childhood Asthma, Pneumonia, Allergies, and Respiratory Diseases, Niloufer Hospital for Women and Children, Hyderabad</p> <p>Chairman: <i>Dr. S. R. Patil</i>, Associate Professor, Department of Horticulture, Post Graduate Institute, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (M.S).</p> <p>Co- Chairman: <i>Ms. Sravani Duvvuri</i>, Assistant Professor, Rajiv Gandhi University of Knowledge Technologies, Nuzvid Campus, Nuzvid, Krishna (Dt), Andhra Pradesh</p>
04: 30 pm -5:00 pm	Tea Break
5:00 pm – 6:30 pm	<p><i>Technical Session – VII Climate Change and Environment</i></p> <p>Key Note: <i>Dr. G.K. Viswanadh</i>, Officer on Special Duty to Vice- Chancellor and Professor of Civil Engineering, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad</p> <p>Chairman: <i>Shri Amlan Jyothi Kar</i>, Supdt Geophyscit, Central Ground Water Board, Kolkata</p> <p>Co- Chairman: <i>Dr. Kulkarni Shashikanth</i>, Assistant professor, Department of Civil Engineering, UCE, Osmania University, Hyderabad.</p>

PROGRAM SCHEDULE – Day-III

Date: 18-03-2017

Venue: New IST Seminar Hall, JNTUH, Kukatpally

09:00 am – 1: 30 pm	<p>Theme – VIII Water Quality, Water Treatment, Pollution and Society</p> <p>Key Note: <i>Dr. Neelima Satyam D</i>, Assistant Professor, Geotechnical Engineering Laboratory, Earthquake Engineering Research Centre IIIT Hyderabad, Gachibowli, Hyderabad</p> <p>Chairman: <i>Dr. C. Sarala</i>, Professor, Centre for Water Resources, Institute of Science and Technology, JNTUH, Hyderabad</p> <p>Co- Chairman: <i>Dr Pradeepkumar P Lodha</i>, Professor, Civil Engineering Department, L E College Morbi, Gujarat</p>
1:30 pm – 2: 30 pm	Lunch
2:30 -4:00 pm	Panel Discussion and Field Visit Valedictory Function

Photos of the conference

	
Welcome to the conference	Registration Desk
	
Lighting of lamp by Chief Guest	Releasing of Proceedings



Releasing of Souviner



Releasing of CD



Chief Guest Prof A. Venugopal Reddy, VC,JNTU



Inaugural Keynote Speaker Dr. A Gosh Bobba, Retd Scientist



Presenting Memento to Director by Convener



Presenting Memento to Prof. B. Venkateswara Rao by Convener



Keynote speaker, Chairman and Co-chairman of Technical Session-I



Keynote Speaker : Dr. Mithra Dey



Keynote Speaker : Dr. K.V. Subba Rao



Best Paper : P. Sowmya in Technical Session V



Best Paper: R.S.Patode in Technical Session IV



Valedictory Function : Dr. A Jaya Shree, Director, IST, JNTUH



Overview of the conference by Dr. M.V.S.S Giridhar

Guest of Honor Dr. G.K. Vishwanadh, OSD to VC, JNTUH



Chief Guest of Valedictory fuction Dr. N Yadaiah, Registrar, JNTUH



Guest of Honor Dr. K. Yella Reddy, Director (A&R), WALAMTARI



Panel Discussion



NCWES team and Volunteers

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