Contents

INAUGURAL KEYNOTE		
1.	Challenges and Possible Solutions for Water Resources Management in the 21st Century S. Mohan	(xxix)- (xxxvii)
	KEYNOTE	
2.	A Study on Hydro-geological Environment at Andhra University Campus, Visakhapatnam using Vertical Electrical Soundings and Pumping Tests Srinivasa Rao G.V.R, Abbulu Y., Sreejani T.P., Balaji B and Siddardha N	3-9
3.	Precision Farming – A Scientific Approach for Sustainable Water and Environment Management Abdul Hakkim	10-21
4.	Computation of Sediment Yield over Un-gauged Stations using MUSLE and Fuzzy Model P. Sundara Kumar and M. Anjaneya Prasad	22-31
5.	Appropriate Intra Village Drinking Water Distribution Systems through "Mission Bhaghiratha" in Telangana State B. Rajeshwar Rao and Shiva Ram Bandari	32-45
6.	Model Development for Prediction of Trap Efficiency of Sriramsagar Reservoir using Soft Computing Techniques Gopal M. Naik and Qamar Sultana	46-52
7.	Sustainable Irrigation Water Management Practices in the Context of National Water Policy 2012 and United Nations Sixth Sustainable Development Goal on "Sustainable Management of Water" Mohammed Hussain	53-59
8.	Role of Climate Change on "Tropical Storms-Hurricanes-Typhoons" S. Jeevananda Reddy	60-78
9.	Ranking of GCMs based on Bayesian Model for Indian Summer Monsoon Rainfall K. Shashikanth and Subimal Ghosh	79-89
10.	Aquasense: Development of Smart Water Monitoring System Neelima Satyam	90-108
11.	Water Resources Development for Sustainable Production in Dryland Agriculture through Catchment Management R. S. Patode, M. B. Nagdeve, G. Ravindra Chary and K. Ramamohan Reddy	109-121

12.	Fertigation in Fruit Crops Surendra R. Patil	122-133
13.	Water Resource Management for Sustainable Development Siddayya	134-141
14.	Decision Support System for Integrated Water Resources Management G.K. Viswanadh	142-147
	TECHNICAL PAPERS	
15.	Application of Life Cycle Assessment in Landfilling Shilpa Mishra and Mohua Salilkanti Banerjee	151-158
16.	Sustainable Conservation Practices for Dryland Farming in Vidarbha Region of Maharashtra M. B. Nagdeve, R. S. Patode, V. V. Gabhane and M. M. Ganvir	159-163
17.	Soil Moisture Monitoring: A Useful Indicator for Impact Analysis of Conservation Measures Adopted Catchment R. M. Wankhade, R. S. Patode, M. B. Nagdeve and K. Ramamohan Reddy	164-167
18.	Rainwater Management through <i>In-Situ</i> Soil and Water Conservation Techniques and Utilization of Harvested Water through Farm Pond R. S. Patode, M. B. Nagdeve, N. R. Palaspagar and G. Ravindra Chary	168-172
19.	Storm Water Management using SWMM: A Case Study on Indraprastha Area, Belagavi B. Komalakshi and Chandrashekarayya. G. Hiremath	173-181
20.	Pre-Historic Cultural Remains in Water Shed Kshirsagar S. D	182-190
21.	Estimation of Ground Water Storage Changes in using Satellite Data Ballu Harish, K.Manjulavani, L.Ravi and V. Madhava Rao	191-199
22.	Radon Measurements in Kozhikode Coast, SW India and its Implications Mintu Elezebath George, Akhil T, Rafeeque M K and Suresh Babu DS	200-205
23.	GIS & RS Application for Hydrological & Environmental Planning – A Case study Bipin Chand Pandey	206-215
24.	Green Treatment of Acid Mine Drainage (AMD) Effluent for the Removal of Cu(II) using Chilli Stalks M.Padmaja and R.Pamila	216-223

25.	Trend Analysis of Reference Evapotranspiration in a Hot and Humid Coastal Location in Tamilnadu State Murugappan, A, Manikumari, N and Mohan, S	224-229
26.	Climate Change: Effects on Sustainable Scenario in India Srisailam Gogula, Krishna Kishore Jyothi and Sunder Kumar Kolli	230-237
27.	Graphene for Sustainable Water Shivarajappa and Mohd. Hussain	238-242
28.	To Purifying of Ground Water at Sub Ground Level by Natural Methods M. Kavitha Yadav	243-247
29.	Assessing the Contribution of Climate Change in an Intense Weather Event: A Critical Risk Management Sumaiyah Tazyeen, B L Shivakumar and Shivakumar J Nyamathi	248-254
30.	Quantitative and Morphometric Analysis of Selected Watersheds using GIS S.P.Nikam, P. K.Singh and Pravin Dahiphale	255-260
31.	Prediction Modeling of Combined Thermophillic Composting (Invessel) and Vermicomposting in the Bioconversion of Vegetable Market Waste C. C. Monson, A.Murugappan, K.Rajan and S.Gnanakumar	261-268
32.	Geospatial Approach for Analysis of Geo-morphometric Parameters in the Purna Watershed in Akola District of Maharashtra Kanak Moharir, C. B. Pande, R. S. Patode, M. B. Nagdeve and Ranee Wankhade	269-274
33.	Occurrence and Distribution of Groundwater in Wardha River Sub-Basin, Chandrapur District, Maharashtra State, India: A GIS Approach Manish S. Deshmukh and Nalanda G.Taksande	275-281
34.	Effect of Different Environmental Conditions on Performance of Sapota Softwood Grafts Worked on Invigorated Khirni Rootstock S. R. Patil, A. M. Sonkamble, Ashutosh A., M.M. Ganvir and R. S. Patode	282-289
35.	Impact of Municipal Solid Waste Dumpsite on Ground Water Quality K.Syamala Devi, K. Venakateswara Rao and A.V.V.S.Swamy	290-299
36.	Effect of <i>In-Situ</i> Rainwater Conservation Practices on Moisture Use and Yield of Pigeon PEA S.R. Weladi and S.D. Payal	300-303

37.	Water Sustainability and Environmental Management Sk. S. Alisha, and P. Rohith	304-311
38.	Operation Study for Reliable Water Supply of Hyderabad System: (A Case Study on Singur Reservoir System) M. Anjaneya Prasad, M. Satyanarayana, and S. Santosh Kumar	312-319
39.	Computation of Runoff by SCS-CN Method using Remote Sensing and GIS M. Anil Kumar and M.V.S.S. Giridhar	320-328
40.	A Study on Increased Chlorophyll Concentrations after the Dust storm S.Lavanya and M. Viswanadham	329-332
41.	Brewery Effluent Impact on Chickpea Growth, Yield and Soil Properties Rupa Salian, Suhas Wani, Ramamohan Reddy and Mukund Patil	333-338
42.	Assessment of Groundwater Contamination due to Landfill Leachate CSV Subrahmanya Kumar and A. Parshuram Reddy	339-346
43.	Estimation of Life of Reservoir under the Conditions of Non Availability of Sediment Surveys M. Visweswararao, G.K. Viswanadh and E. Saibabareddy	347-352
44.	Mapping of Permanent Snow Cover Area using Satellite Data in Sutlej Basin P.B Rakhee Sheel and M.V.S.S Giridhar	353-358
45.	Estimation of Reference Evapotranspiration using Cropwat Dhondi Sindhu and Giridhar M.V.S.S	359-367
46.	Trend Analysis of Seasonal Maximum Average Rainfall Intensities in Rayalaseema Region of Andhra Pradesh Shaik Reshma	368-382
47.	Sustainable Urbanization using Remote Sensing and GIS – An Overview G Padmaja, MVSS Giridhar, V Shiva Chandra, G Sreenivasa Rao and R. Sandhya Rani	383-389
47.	Overview G Padmaja, MVSS Giridhar, V Shiva Chandra,	383-389 390-399

50.	A Systematic Review on Hyperspectral Data Processing and Classification Methods Veeramallu Satya Sahithi, MVSS Giridhar and I V Murali Krishna	406-420
51.	Numerical Simulation ff Francis Turbine using Computational Fluid Dynamics – CFX Prasanna S. V. S, Sankeerthana, Praneeth, Xenia Vatsalya and Roshini Mendez	421-427
52.	Geo-spatial Techniques for an Automatic Ship Detection on Spaceborne SAR Images V. Madhavi Supriya, S.K. Patra and B. Asha Rani	428-435
53.	A Geo Spatial based Study on Artificial Recharge of Ground Water Resources Management in GVMC, Visakhapatnam District, AP B.K. Appala Raju, M. Leela Priyanka and D. Manaswi	436-447
54.	Influence of Velocity on Major Lift Irrigation Projects M. Pratibha Satyabodha, A.R.N Sharma and P. Raja Sekhar	448-451
55.	A Review of Application of Remote Sensing and GIS in Hydrological Modeling Vangala Savinai and Rathod Ravinder	452-461
56.	An Assessment of Rainfall Erosion Potential in Akola from Daily Rainfall Records P.D. Naitam and S. P. Shinde	462-467
57.	Assessment of Groundwater Quality of Doulathabad and Kodangal Mandals, Vikarabad District, Telangana State, India G. Hari Krishna, A. Edukondal, M. Ramu, C. Paramesh and M. Muralidhar	468-472
58.	Performance of Hargreaves Radiation Formula in Estimation of Reference Evapotranspiration in a Hot and Humid Coastal Location in Tamilnadu Manikumari N. and Murugappan A.	473-478
59.	Achieving Double Digit Growth Rate for a Century by Inter Basin Transfer of River Water in India K.S. Misra, Neela Misra and Anshuman Misra	479-492
60.	Computation of Runoff by SCS CN Method using Spatial Modeling in ERDAS Imagine G. Sreenivasa Rao, M.V.S.S. Giridhar and Shyama Mohan	493-502
61.	Aquifer Performance Tests in RCI Residential Area Saroor Nagar Mandal, RR District, Telangana State A. Manjunath, G. Sreenivasa Rao and A. Samba Shiva Rao	503-516
62.	Urban Water Management in Indian Cities – An Integrated Approach K. Ashok, K. Rakesh, G. K. Viswanadh, and Ch. Nageshwar Rao	517-527

63.	Effective Rainwater Harvesting by GIS Analysis in Griet Campus, Bachupally S. Venkat Charyulu, G.K. Viswanadh and M.V.S.S Giridhar	528-539
64.	Analysis of Ground Water Quality Parameters Ranga Reddy District, Telangana Sanjay Kumar Alladi, Ravi Sekhar Katru and Sandhya Rani Regalla	540-550
65.	Analysis of Water Quality in Sewage Treatment Plant- Buddha Purnima Project P. Sowmya	551-561
66.	Two Dimensional Induced Polarization Imaging to Delineate the Kaolinized Zones in the Khondalitic Terrain Y. Siva Prasad and B. Venkateswara Rao	562-572
67.	Optimal Control of Water Distribution at Dams & Reservoirs using SCADA & Telemetry V. Phani Madhav and G.K.Viswanadh	573-578

Author Index	579
List of Sponsorship	581