

November 8-9, 2024

PROGRAMME SCHEDULE FOR ICWSD- 2024

Day-1: Friday, 8th November 2024	
Time (IST)	Program/Activity Venue
8:30 – 9:30AM	Registration
9:30 – 11:00AM	Inaugural
11:00-11:30AM	High Tea
Commercial Session Ashirvad Pipes Pvt Ltd	
Venue: VNIT Auditorium Nagpur	Time: 11:30AM-12:00Noon
Chairman: Dr. R N Gupta , Raipur Past President, IWWA	
Commercial Session Co-ordinator- 1. Dr. Isha Khedikar 2. Dr. Shilpa Dongre	
Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:1 Theme T3 : Water Conservation and Efficiency	
Venue: Auditorium	Time: 12:00 Noon- 1:30 PM
(P1) Keynote: Dr. Pawan Sachdeva, Impact Investment Analyst, Director, Water management International Pvt Ltd Singapore	
Title: "Philanthropy in Water" the bigger role it can play	
(P1)Keynote: Vikas Rajoria, SE and Project Administrative, Mohanpura Kundalia Project Management Unit.	
Title: Participatory Precision Water Management in Kundalia Irrigation project	
Chairman : Dr. Pawan Sachdeva Co Chairman: Mr .Vikas Rajoria	
Session Co-ordinator-1. Dr Sitaram Reddy 2.Dr Suresh T.	
Paper ID-041	Paper 1: Fostering Sustainability: Pioneering Greywater Solution for Rural Empowerment Author: Abhijeet Athawale , MIT Academy of Engineering, Pune Co Author: Shubham Tiwari,Yash Sangale,Sarthak Chavan ,Amogh Bedmutha
Paper ID-062	Paper 2: Sustainability assessment in water sector: A review of context, scope and methods Author: Ritu Rao TERI School of Advanced Studies, Co Author: Arun Kansal TERI School of Advanced Studies, Fawzia Tarannum
Paper ID-068	Paper 3: "Water Conservation and Efficiency". Author: Mrunali Lende, JD College of Engineering and Management, Nagpur Co Author: Dr. Atika Ingole,Chhaya Sarode,Khilesh Pardhi,Harshal Matlane
Paper ID-161	Paper 5: "Greenhouse Gas (GHG) Emission Quantification for Sewage Systems in India: A Comprehensive Analysis Based on IPCC Guidelines" Author: Akshata Kothale , COEP technological University Co Author: Mohnish Waiker

Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session :2	
Theme T4: Climate Change, Water and Ecosystem	
Venue: CRC 6-1	Time: 12:00 Noon- 1:30 PM
(P2) Keynote: Mr. Ankur Patni, Executive Director, Ion Exchange India Limited. Kolkata, West Bengal, India	
Title: Climate change and its impact on the business of water	
(P2) Keynote: Dr Priyank Sharma, Assistant Professor, CED, IIT Indore	
Title: "Exploring Non-stationarity in Drought Characteristics and their Propagation".	
Chairman: Mr. Ankur Patni	
Co Chairman: Dr Priyank Sharma	
Session Co-ordinator-1. Dr Karthik B.	
2. Dr. Srinivasan V	
Paper ID-006	Paper 1: Effect on Sediment Transport through a River Reach due to groyne structure- A Case Study Author: Dr.Ashwini Mirajkar, VNIT Co Author: Veditii A. Jaltare
Paper ID-007	Paper 2: Predicting Climate Change Impacts on Water Yield in the Lower Vaigai Sub-basin, India: A Modelling Approach with InVEST model and CMIP6 Projections Author: Priyadharshini N, Center for Water Resources, Anna University Co Author: Vinoba Jenifer S, Arunbabu E
Paper ID-018	Paper 3: Hydrodynamic Modelling of Subarnarekha River for Flood Estimation Using Remote Sensing and GIS Techniques Author: Manoj Kumar Diwakar ,Malaviya National Institute of Technology Jaipur Co Author: Shahnawaz Ahmad
Paper ID-021	Paper 4: Assessment of IDF Curves of Major Indian Cities Using Various Extreme Rainfalls Author: Ashutosh Chaturvedi , Malaviya National Institute of Technology Jaipur, Civil Engineering Co Author: Manoj Kumar Diwakar, Mahesh Kumar Jat
Paper ID-087	Paper 5: Calibrating Rainfall Intensity for Accurate Runoff Modelling Using a Rainfall Simulator on sand Surfaces Author: Radha Mohril, VNIT Co Author: A. D. Vasudeo Professor
Paper ID-135	Paper 6: Adverse Impacts of Climate Change on Environment, Eco-Systems and Water Resources of India: Appropriate Adaptation Strategies and Mitigation Measures Needed Author: Bhaskara Rao Mulam, Rajiv Gandhi University of Knowledge Technologies

Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:3	
ThemeT4: Climate Change, Water and Ecosystem	
Venue: CRC 3-3	Time: 12:00 Noon- 1:30 PM
(P3) Keynote: Dr. Arun Kansal, Director (ICWMR) and Professor, TERI SAS ,TERI School of Advanced Studies	
Title: 'Water security & market-based instruments- water credits, footprint and trade'	
Chairman : Dr. Arun Kansal	Co Chairman : Mr. B Srinivas Reddy , Bangalore, Past Chairman IWWA
Session CO- Ordinators- 1.Dr Snehal Abhyankar	
2.Dr.Nikita Palod	
Paper ID-031	Paper 8: Climate and Land Use Change Impacts on High Flood Level Risk for Irrigation Structures: A Probabilistic Approach for Robust Decision-Making Author: Rajesh Kumar V, L&T Construction (WET IC) Co Author: Guganesh Sankar, Hussain Babu, Kumaresan P, Sathiyarayanan S
Paper ID-037	Paper 9: Water resource management for ecological restoration Author: Gajanan Khadse ,NEERI
Paper ID-038	Paper 10: Climate change: Issues and options for climate resilient water resource management Author: Ameya Khadse ,VNIT Co Author: Dr. Dilip Lataye
Paper ID-049	Paper 11: Analysis of Excessive Floodwater available from the Brahmaputra River in the Pancharatna Region Author: Prashant Janbandhu, VNIT Co Author: Dr. Avinash Vasudeo, P Devender Rao , Jayant Raut
Paper ID-055	Paper 12: Impact of Climate change on groundwater and sustainability - National concerns: A short review Author: Darshana Lade, Mukesh Patel School of Technology Management and Engineering Co Author: Dr Meenal Mategaonkar
Paper ID-056	Paper 13: An Optimal Design Approach for Community Managed Solar Power Based Rural Water Supply Schemes: Author: Ajay Kumar Sahu, Retired Government Officer, Raipur
Paper ID-083	Paper 14: Comprehensive Land Surface Temperature Impact on Off-seasonal Precipitation Events at the Urban scale in Surat City Author: Rachana Patil Co Author: Dr.Meenal Surawar
Paper ID-086	Paper 15: Evaluating Rainwater Harvesting Systems for Residential Use: A Fuzzy AHP Approach Author: Radha Mohril, VNIT Co Author: Dr.A. D. Vasudeo
Lunch	
Time : 1:30-2:30PM	

Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:4	
Theme T5: Water and Energy Nexus	
Venue: Auditorium	Time: 2:30PM– 4:00PM
	(P4)- Keynote: Mr. Ashok Natarajan, National Task force MoHUA Retired CEO Tamil Nadu water Investment committee, Founder Steady-Taps consulting Pvt Ltd Title: Planning the Transformation of ULBs towards NRW reduction Case study- Chennai metro water & sewerage board
	Chairman: Mr. Ashok Natarajan Co Chairman:Dr.H C Landge, Past President, IWWA
	Session Co-ordinator-1. Dr. Vyavhare 2. Dr Sonal Dhanvijay
Paper ID-001	Paper 1: Assessing Energy Emissions and Water footprint Of Textile Processing: A Case Study of an Indian Textile Mill Author: Akshay Vade, Instistute of Chemical Technology Co Author: Ashok Athalye
Paper ID-003	Paper 2: State wise water requirements in renewable Solar power generation a study on current and future needs: Author: Muniappan N, MIT Academy of Engineering Co Author: Nivesh S,Mansi K,Shubham S,Rajaveni S P
Paper ID-004	Paper 3: Study on Impact of Wastewater Discharge from Kerala Minerals and Metals Ltd (KMML) in the Soil and Water Environment of Sankaramangalam Village, Kollam, Kerala. Author: Susan Jacob Carmel College of Engineering and Technology, Punnapra, Alappuzha Co Author: Deepak A ,Srishty R, Steffi Joseph, Sooryajith S
Paper ID-051	Paper 4: Hydropower potential of north east region: a boon for renewable and clean energy source to the whole of India Author: Dr. Avinash Vasudeo, VNIT Co Author: Prashant Janbandhu,Kishor Jagtap, Jaideep Singh Bawa,P Devender Rao
Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:5	
T6: Water quality and impact assessment on health	
Venue: CRC 6-1	Time: 2:30PM– 4:00PM
	(P5) Keynote: Dr. Sudarshan Kurwadkar, Professor, Department of Civil and Environmental Engineering, California State University,USA Title: Climate Change, Resiliency, and Adaptation – Global Challenges to Water Security and Environmental Justice
	Chairman: Dr. Sudarshan Kurwadkar Co Chairman: Shri Subhas Bhujbal, Past President IWWA
	Session Co-ordinator- 1. Dr Rahul Biswas 2.Dr Anupama Kumar
Paper ID-023	Paper 1: Conceptual water hammer control solutions for wastewater pumping mains Author: Nath Paunikar, GCOE Yavatmal Co Author: Ram Kumar Rai
Paper ID-026	Paper 2: Nutrient Analysis of WWTPS: A Comprehensive Analysis, Efficiency Evaluation and Comparison Author: Jayesh C C , Government Engineering College, Thrissur Co Author: Devika V B
Paper ID-048	Paper 4: Impact of Advanced Oxidation Processes on Wastewater Treatment Author: Preeti Shrivastava, Mukesh Patel School of Technology Management and Engineering Co Author: Dr. Meenal Mategaonkar Professor
Paper ID-058	Paper 5: Waste Water Treatment A Natural Concept Author: Rajesh Kanade, G H Raisonni Nagpur

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Paper ID-059	Paper 6: Optimizing MBBR Performance with Electrocoagulation Pretreatment: A Laboratory Research Report Author: Ms. Abhilasha G. Deshmukh ,RTMNU Co Author: Dr. Kiran M. Tajne Asso. Prof. Government College of Engineering,
Paper ID-061	Paper 7: TiO ₂ capped CdSe-Fe ₃ O ₄ heterogeneous nanoparticle as a sustainable photocatalyst for the treatment of textile effluent under natural sunlight and UV light Author: Angelin Ebanezar John, CSIR-Advanced Materials and Processes Research Institute Co Author: Shabi Thankaraj Salammal, Deepti Mishra, Mohd Akram Khan
Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:6	
T6: Water quality and impact assessment on health	
Venue: CRC 3-3	Time: 2:30PM– 4:00PM
(P6) Keynote: Dr. Aditya Tyagi, Professional Engineer: Texas	
Title: Solving a variety of engineering problems using innovative technologies	
Chairman: Dr. Aditya Tyagi	Co Chairman: Dr. M L Agarwal, Past President, IWWA
Session CO- Ordinator- 1.Dr Shilpa Dongre 2. Dr.Nikita Palod	
Paper ID-096	Paper 10: A Modified Partial Packed-Bed Anaerobic Baffled Reactor (PPABR) for Simultaneous Removal of Carbon, Nitrogen, and Phosphorus from Domestic Wastewater Author: Rojalin Sahu, CSIR- NEERI Co Author: Rima Biswas
Paper ID-099	Paper 11: Multifunctional anaerobic microbial granules for simultaneous C, N & P removal from domestic wastewater at low temperature Author: Shradhanjali Sethi, CSIR- NEERI Co Author: Rima Biswas
Paper ID-100	Paper 12: Resistance profiles of 'ESKAPE' pathogens to azithromycin and azithromycin resistance genes in wastewater Author: Rima Biswas, CSIR- NEERI Co Author: Ankita Bharshankh
Paper ID-105	Paper 13: Development of a Citrate-Capped Platinum Nanostructured Electrode for Sensitive Detection of Heavy Metal Ions Author: Monika Antil , CSIR-CSIO Co Author: Dr Babankumar S. Bansod
Paper ID-107	Paper 14: Sustainable low-temperature sewage treatment using Low Temperature Adapted Methanogenesis (LTAM) process Author: Nikhil Funde, CSIR-NEERI Co Author: Rima Biswas, Sourabh Meshram
Paper ID-111	Paper 15: Wastewater Treatment Using Hybrid Flow Tank-in-Series Constructed Wetland Author: Atul Shinde , Shri Guru Gobind Singhji Institute of Engineering and Technology Co Author: Milind Waikar
High Tea	
Time: 4:00PM-4:15PM	
Day-1, Friday, 8th November 2024 (3 Parallel Sessions)Session:7	
T1: Water Governance and Policy for Sustainable Water Management	
Venue: Auditorium	Time: 4:15PM– 5:45PM
(P7)-Keynote: Dr. Sanjay Chahande, Chairman, MWRRA	
Title: "Maharashtra Water Resources Regulatory Authority - Unique Framework for Water Regulatory Governance".	
(P7)-Keynote: Dr. Sanjay Belsare , Secretary CAD, Water Resources Department, Maharashtra.	
Title:	
Chairman: Dr. Sanjay Chahande	Co Chairman: Dr. Sanjay Belsare
Session Co-ordinator-1. Dr Chayan Das 2. Dr Sushantha Nayak	
Paper ID-054	Paper 1: Application of Mesh-free Method in Prediction of Groundwater Fluctuations Author: Apurva Mehta, NMIMS MPSTME Co Author: Dr. Meenal Mategaonkar

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Paper ID-060	Paper 2: Modelling Groundwater Depletion in Northern Jaipur: An integrated Approach with MODFLOW and ModelMuse Author: Shweta Kodihal , Manipal University Jaipur Co Author: M. Parwez Akhter
Paper ID-127	Paper 3: Water and sustainable development of agriculture in Yavatmal district of Maharashtra state. Author: Kholapurkar S. L, Research scholar ,G H Raison College Co Author: Sanket Sanghai, Pawade P. Y.
Paper ID-130	Paper 4: Delineating Ground Water Potential Zones of Watershed of Ghanewadi Reservoir, Jalna District, Maharashtra. Author: Vinay Rangari, Co Author: Sham Lohar Sinhgad , Chhatrapati Shivaji Maharaj University Panvel Mumbai
Paper ID-139	Paper 5: Crop Water Requirement and Irrigation Schedules for Rabi Crops in Semi-Arid Command Areas of Major Tributaries of Narmada River in Central India. Author: Shashi Indwar Co Author: Ravi Galkate Scientist F, National Institute of Hydrology Central India, Rahul Jaiswal Scientist F, National Institute of Hydrology- Central India, TThomas Scientist F, National Institute of Hydrology- Central India
Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:8 T2: Water Security and Access (SDG6)	
Venue: CRC 6-1 Time: 4:15PM– 5:45PM	
(P8) Keynote: Dr M L Kansal , Professor (HAG) & Ex-Head, WRDM, IIT Roorkee Title: Sustainable Urban Water Management in Secondary Cities of India.	
Chairman: Dr M L Kansal Co Chairman: Dr. Mondal	
Session Co-ordinator- 1. Dr Maldure 2. Dr Khadse	
Paper ID-011	Paper1: Ensuring equitable water access in intermittent water supply systems through operation management Author: G R Abhijith Co Author: Sriman Pankaj Boindala Post-Doctoral Researcher, KIOS Research, K Ihjas Scientist-B, Ecology & Environment Research Group, KSCSTE-CWRDM Avi Ostfeld Professor, Civil and Environmental Engineering, Technion - Israel Institute of Technology
Paper ID-019	Paper 2: Comparative Water Quality Assessment and Machine Learning-Based Water Quality Index Estimation of Bhavani Sagar and Krishnagiri Reservoirs in Tamil Nadu Author: Abdul Wahid A, Centre for Water Resources, Anna University Co Author: Arunbabu E, Eswar vikram E,.Karan Sakthi S M
Paper ID-036	Paper3: Village Water Security Plan for Water Scarcity Mitigation – A Case Study Author: Chintalapudi Padmakar, CSIR-NEERI, Nagpur Co Author: Raghuvanshi Ram ,Pujari PR, Ramya S, Gajanan Khadse, Labhassetwar PK CSIR-NEERI, Nagpur
Paper ID-045	Paper 4: Application of branch software 3.0 for katangikala village water distribution Author: Tripti Gupta , Ramdeobaba College of Engineering Co Author: Khalid Ansari, Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur,
Paper ID-066	Paper 5: Surge analysis and design of surge protection system for a multi-stage pumping involving boosters Author: Nikita Palod, VNIT Co Author: Rajesh Gupta
Paper ID-085	Paper 6: Comprehensive review of sustainable storm water management strategies for achieving urban water security Author: Parimal Wandile , VNIT Co Author- Dr. Vijay S. Kapse
Paper ID-115	Paper 7: Development of Data-Driven Model for Leak Detection in Water Distribution Networks Using ANN Author: Hillary Madhu Zodape, VNIT Co Author: Swetaben Bharadia, Shilpa Dongre

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Paper ID-124	Paper 8: State of Art of Leakage Modeling in Water Distribution Systems Author: Shweta Rathi, National Institute of Technology Kurukshetra Co Author: Gaurav Jaiswal
Day-1, Friday, 8th November 2024 (3 Parallel Sessions) Session:9 T2: Water Security and Access (SDG6)	
Venue: CRC 3-3 Time: 4:15PM– 5:45PM	
(P9) Keynote: Mr. Anil Kashyap, Director General, NICMAR, Pune Title: “Innovative Financing the Urban Water Projects”.	
Chairman: Mr. Anil Kashyap Co Chairman: Dr. R K Srivastava, Retd. Professor SGSITS, Indore	
Session Co-ordinator-1. Dr Karthik B. 2. Dr Srinivasan V	
Paper ID-141	Paper 10: Energy Efficiency in Direct Feed Networks for 24/7 Water Supply. Author: Dipak Dahake, Aquaindica Techno Solutions Private Limited
Paper ID-144	Paper 11: Assessment of Seawater Quality along the Coast of Tamil Nadu and its impact on SDG Author: Rajamanickam R , TAMIL NADU POLLUTION CONTROL BOARD Co Author: Nagan S
Paper ID-084	Paper 12: Sustainable Degradation of Organophosphate contaminated wastewater by Hydrodynamic Cavitation: A new Insight into Synergistic ways of integration of AOPs and their effects, Kinetics and Energy-Economics Author: Shwetha Shree Timmapuram , CSIR-Indian Institute of Chemical Technology Co Author: Pavani Vadthya, CSIR-Indian Institute of Chemical Technology
Paper ID-150	Paper 13: Planning and design of multi-level water transmission system: a case study of khategaon multi-village water supply system for 327 villages Author: Dr. Rajesh Gupta, VNIT Co Author: Satyam Tiwari Dr. Kalpana Bhole, Prashant Wadibhasme
Paper ID-162	Paper 14: Integrated constructed wetland microbial fuel cell (CW-MFC) for sustainable treatment of domestic waste water Author: Radha Rani, Motilal Nehru National Institute of Technology Allahabad Co Author: Shiwangi Kesarwani, Sangita Karmakar
Paper ID-166	Paper 16: Uranium health risk evaluation for groundwater quality in the Gondia district Author: Dr. Minakshee B. Sawankar , S. Chandra, Mahila Mahavidhyalaya Sadak Arjuni, Dist. Gondia CO – Author: Dr. Rohit Mahadule
Paper ID-170	Paper 17: Leveraging Systems Thinking for Water Security: Insights from Causal Loop Diagrams Author: Shreya Joshi , VNIT Co Author: Dr Sameer Deshkar
General Body Meeting SH1	
Conference Gala Dinner Near Seminar Hall	

Poster of mentioned size is to be brought by the Authors and will be displayed on the poster wall near Exhibition area.

12:00-1:30PM	Paper ID-071	Paper 5: Exploring the Desalination Technique for Water Treatment: A Comprehensive Review Author: Monika Chhatre, CSIR-NEERI Co Author: S.Y. Bodkhe, Chandani Lakhani, Nasbul Siddiqui	Near Exhibition Area
	Paper ID-072	Paper 6: A review on leachate from compost process: Characterization, Environmental Impacts, and Treatment Technologies Author: Chandani Lakhani, CSIR-NEERI Co Author: S.Y. Bodkhe	Near Exhibition Area
	Paper ID-073	Paper 7: Membrane Bioreactor for Sewage Treatment- A Review Author: Nasbul Siddiqui ,CSIR-NEERI Co Author: S.Y. Bodkhe, Chandani Lakhani, Monika Chhatre	Near Exhibition Area
	Paper ID-076	Paper 9: Cu-doped zirconium oxide embedded graphene oxide Photocatalyst for water remediation Author: Anupama kumar , VNIT Co Author: Manisha G. Verma, Ranjita S. Das	Near Exhibition Area
	Paper ID-165	Paper 6: Decision-Support Tool to Aid in Water Aging Infrastructure Replacement and Restructuring Author: Hakob Avetisyan , California State University Fullerton Co Author: Sudarshan Kurwadkar	Near Exhibition Area
	Paper ID-172	Paper 17: Contaminant Vectors in Indian Rivers: The Significance of Microplastics Author: Sweta Kumari, Lovely Professional University Jalandhar Co Author: Sharon Nagpal,Shadab Khan	Near Exhibition Area

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Day-2: Saturday, 9th November 2024 (3 Parallel Sessions) Session :10	
T4: Climate Change, Water and Ecosystem	
Venue: Auditorium	Time: 9:30AM– 11:PM
(P1) Keynote: Dr. P V Timbadiya, Associate Professor, Civil Engineering Department, SVNIT Surat	
Title:	
Chairman: Dr. P K Jain	Co Chairman: Dr. P V Timbadiya
Session Co-ordinator-1. Dr Gayatri Sarokhaibam	
2. Dr Rupesh Gedam	
Paper ID-027	Paper 1: Long-term Changes and Decadal Variability in Rainfall Patterns across the Upper Chambal River Basin Author: Harshvardhan Solanki , IIT Indore Co Author: Priyank J. Sharma
Paper ID-028	Paper 2: Are the rainfall extremes on the rise in Central India in the recent period? Author: Vikas Gore, IIT Indore Co Author: Priyank J. Sharma Indian Institute of Technology Indore
Paper ID-029	Paper 3: Temporal Dynamics of Surface Water Inundation and Flood Susceptibility in the Indira Sagar Dam Catchment Author: Suyash Shukla, IIT Indore Co Author: Arpit Tiwari, Priyank J. Sharma
Paper ID-030	Paper 4: Multivariate Analysis of Flood Peak-Volume-Duration for a tropical river basin Author: Achala Singh, IIT Indore Co Author: Priyank J. Sharma, Ramesh S. V. Teegavarapu
Paper ID-042	Paper 5: Rapid Flood Inundation Mapping and Flood Hazard Zonation using Sentinel-1 Synthetic Aperture Radar data Author: Kiran S , Indian Institute of Technology Guwahati Co Author: Dhruba Jyoti Sarmah, Rajib Kumar Bhattacharjya
Paper ID-091	Paper 6: Assessment of Water Sustainability of major food producing State using Water footprint Approach: A case study of Uttar Pradesh Author: Shiv Narayan Nishad, CSIR-National Institute of Science Communication and Policy Research Co Author: Naresh Kumar, Khemraj Singh, Pankaj Kumar Yadav
Day-2: Saturday, 9th November 2024 (3 Parallel Sessions) Session:11	
T7: Water Economics and Financing	
Venue: CRC 6-1	Time: 9:30AM– 11:PM
(P2) Keynote: Dr. Assela Patharina , IHE Delft, Netherlands, Associate Professor in Water Infrastructure Asset Management	
Title: Mortality in the infancy: Breaking the ‘project mentality’ of water Infrastructure in LMICs with life cycle-based approaches	
Chairman: Dr. Assela Patharina	Co Chiarman: Dr. Kailash Wasewar
Session Co-ordinator-1. Dr M.S. Kadu	
2. Dr Snehal Abyankar	
Paper ID-008	Paper 1: Innovative submerged pumpsets, an economical, time saving and effective solution for water -sensitive urban design. Author: Mohan Gowaikar , Aqua Machineries Pvt Ltd Co Author: Sanjay Moghe
Paper ID-046	Paper 2: Estimation of groundwater recharge using remote sensing and GIS in Buldhana district of Maharashtra, India Author: Ashwini Mirajkar, VNIT Co Author: Rakesh Verma
Paper ID-053	Paper 3: “Flood Assessment for Chiplun City, Maharashtra using Google Earth Engine and HEC-RAS Modelling” Author: Ashwini Mirajkar, VNIT Co Author: Achana Lavanya
Paper ID-090	Paper 4: Comprehensive Analysis of Water Resources for policy re-alignment and Sustainable water Management in Uttar Pradesh Author: Dr. Naresh Kumar, CSIR-National Institute of Science Communication and Policy

	Research (CSIR–NIScPR) , New Delhi Co Author: Shiv Narayan nishad, Pankaj Kumar Yadav, Khemraj Singh
Paper ID-129	Paper 5: Enhancing Digital Elevation Models: The Applicability of Artificial Neural Networks for Elevation Corrections Author: Digambar Londhe, Co Author: Hanan Showkath , T K Drissia
Day-2: Saturday, 9th November 2024 (3 Parallel Sessions) Session:12 T8: Innovative Technologies and Solution	
Venue: CRC 3-3 Time: 9:30AM– 11:00PM	
(P3) Keynote: DR. M M Ghangrekar, Professor, IIT Kharagpur Title: Biological and bio-electrochemical wastewater treatment technologies and their efficacies for imparting sustainability to wastewater treatment	
Chairman: DR. M M Ghangrekar Co Chairman: Dr. Y B Katpatal	
Session Co-ordinator- 1. Dr Mohit Katoch 2. Dr. Abhishek Kamisetty	
Paper ID-013	Paper 7: GIS automation of Pipeline Engineering in Odisha Mega Lift Irrigation Projects: An Industrial Approach Author: Rajesh Kumar V, L & T Construction Co Author: Nitesh Kumar L R,Rajkumar P,Hussain Babu D,Sathiyarayanan S
Paper ID-014	Paper 8: Decision-Making in Irrigation Industry: A Case Study on GIS and BIM Integration Author: Rajesh Kumar V, L & T Construction Co Author: Hussain Babu D,Sathiyarayanan S,Kumaresan P,Guganesh Sankar
Paper ID-015	Paper 9: Comparative performance assessment of irrigation tanks before and after TNIAMP rehabilitation using cloud computing and remote sensing techniques. Author: Antony Kishore J , Anna University Co Author: Arunbabu Elangovan
Paper ID-033	Paper 10: Role of Smart Water Meters in the Diminution of Water Crisis in India Author: Deborshee Sinha, IIT Indore Co Author: Mayur Shirish Jain
Paper ID-050	Paper 11: Estimation of Crop Water Requirement for Chauras Region of Bhandara, Maharashtra using Spatial Approach Author: Tulshidas Jibhakte , VNIT Co Author: Anand Muley, Yashwant Katpatal
Paper ID-052	Paper 12: "Simulation of Groundwater Flow for Artificial Recharge Using GIS, Remote Sensing, and Machine Learning Techniques: A Comprehensive Review" Author: Sanchita Nawale , NMIMS MPSTME MUMBAI Co Author: Meenal Mategaokar
High Tea Time: 11:00AM-11:15 AM	
Day-2: Saturday, 9th November 2024 (3 Parallel Sessions) Session:13 T6: Water quality and impact assessment on health	
Venue: Auditorium Time: 11:15AM– 12:45 PM	
(P4)Keynote:-Mr. Arun Lakhani	
Chairman: Mr. Arun Lakhani Co Chairman: Dr. M V Latkar	
Session Co-ordinator-1. Dr.Amit Kumar 2. Dr.Nikita Palod	
Paper ID-005	Paper 1: “Environmental Pollution in Organic Farms of Kanjikkuzhi Village, Cherthala Taluk: Necessity for Strategic Resource Management” Author: Susan Jacob Carmel College of Engineering and Technology, Punnapra, Alappuzha Co Author: Sreelakshmi S Anand ,Theerdha Ram, Ankitha S, Vishnupriya G
Paper ID-043	Paper 2: Inspection of Water, Air and Noise Contamination Using Cost Efficient Sensors Author: Tripti Gupta , Shri Ramdeobaba College of Engineering and Management, Nagpur Co Author: Saurabh Agrawal Student, Kartik Bawankule Student
Paper ID-113	Paper 3: Application of Modified Biosorbents for Enhanced Chromium (VI) Removal from Wastewater- A Review Author: Saurabh Ghule, VNIT Co Author: Dr. Shilpa R. Dongre

Paper ID-126	Paper 4: Evaluation of Ozone-Based Advanced Oxidation Processes for Hospital Wastewater Treatment Author: Rohit Bhongade, G. H. Raisoni College Of Engineering, Nagpur Co Author: Prashant Y. Pawade
Paper ID-137	Paper 5: Harnessing the Potential of Halophytic Plants for the removal of salts from saline water Author: Riddhi Dhumal , COEP Co Author: Dr. Parag Sadgir Professor, Civil Engineering Department
Paper ID-138	Paper 6: Quality Improvement of Grey-water Generating by Establishments at Gwarighat, Narmada River, using a Low-Cost Sole Filter Unit Author: Sarthak Dubey , Jabalpur Engineering College, Jabalpur, M.P Co Author: Shailza Verma
Day-2: Saturday, 9th November 2024 (3 Parallel Sessions) Session:14 T6: Water quality and impact assessment on health	
Venue: CRC 6-1 Time: 11:15AM– 12:45 PM	
(P5) Keynote: Mr. Dipankar Saha, Chair Prof at MRIIRS at Delhi NCR Title: Arsenic contamination of groundwater; can alternate aquifers be a source of dependable supply in the affected areas.	
Chairman: Mr. Dipankar Saha Co Chairman: Dr. Girish Pofali	
Paper ID-142	Paper 7: Integrated Solid Waste Management Practices for Urban Sustainability: A case 'Pimpri Chinchwad', India Author: Sanjay Narayan Kulkarni, COEP Co Author: Dr.Parag Sadgir
Paper ID-143	Paper 8: Optimization of Decentralized Sewage Treatment Plant Model with Operation and Maintenance Author: Yogesh Alhat, COEP Co Author: Dr. Parag Sadgir
Paper ID-151	Paper 9: UV-activated persulphate pre-oxidation process for enhanced removal efficiency of Anabaena ambigua during drinking water treatment Author: Dr Atul Maldhure , CSIR-NEERI Co Author: Nidhi Sahu
Paper ID-082	Paper 10: Hydraulic modelling for the lower Mahanadi river reach using HEC-RAS Author: Amrita Pradhan, Central University of Jharkhand, Ranchi Co Author: Shikha Chourasiya
Paper ID-125	Paper 11: Optimizing Urban Flood Analysis: GIS and SWMM Software Integration Author: Vinay Rangari, Pimpri Chinchwad College of Engineering, Pune, India Co Author: Dheerajkumar Lal, Suresh Nama
Day-2: Saturday, 9th November 2024 (3 Parallel Sessions) Session:15 T8: Innovative Technologies and Solution	
Venue: CRC 3-3 Time: 11:15AM– 12:45 PM	
(P6) Keynote: Dr Rajiv Gupta, Senior Professor, BITS, Pilani Title: (P6) Keynote: Er. Shishir Haldulkar Deputy Manager, Petrofac International, Sharjah, UAE Title: Waste Water Treatment in the Energy Industry	
Chairman: Dr Rajiv Gupta Co Chairman: Er. Shishir Haldulkar	
Session Co-Ordinator- 1.Dr Swapnil Satone 2. Dr Neena Dhange,	
Paper ID-128	Paper 12: Simulation of Sediment transport for Pench River reach using HEC-RAS Author: Priyanka Dhumal, VNIT Co Author: Dr. Ashwini Mirajkar
Paper ID-147	Paper 13: Through GIS spatial distribution finding nitrate concentration at each of the wards, a case study of Jaipur ground water. Author: ANIL Dutt VYAS , Manipal University Jaipur Co Author: Vidat Choudhary, Monika Sogani
Paper ID-069	Paper 14: Investigation on biogas production through digestion phase technique Author: Vaibhav Dhawale , Prof. Ram Meghe Institute of Technology and Research Badnera. Co Author: Dr.Nitin Ingole
Paper ID-074	Paper 15: Advancing peptide process development through novel technologies and green chemistry Author: Chandrakant Kulkarni , Veermata Jijabai Technological Institute, Mumbai

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	Co Author: Yogeshwar Suryawanshi, Sujatha Parmeswaran
Paper ID-160	Paper 16: Optimizing Water Usage in Ferrochrome Production: A Case Study on IoT-Driven Monitoring and Management Author: Pankaj Kumar Satija , TERI School of Advanced Studies Co Author: Arun Kansal, Fawzia Tarannum
Paper ID-174	Paper 18: A Feasibility Study on the Public Private Partnership (PPP) Models in Recycled Water Projects Author: Rajesh Juluri ,VNIT Co Author: Abhay Tawalare
Valedictory Function	
Lunch	

