

## SUWM CONFERENCE 2024 SCHEDULE

### DAY 1

**Registration (9:00 AM-9:30AM)- F Block LTC Foyer**

S No.	Event	Time	Speakers	Venue	Guest/ Moderator/ Chair	Title
	Inaguration	9.30 AM - 10.15 AM	Prof. Soumyo Mukherji, Director, BITS Pilani, Hyderabad Campus	F206	Prof. Madhusree	Inaugural Address
Prof. Shilpaa Anand, HoD, HSS Department			HSS department welcoming the guest			
Prof. Rajiv Gupta, Consortia Project Director			Project Briefing			
Project Partners			Introduction			
Convenor			Conference Briefing			
<b>Parallel Sessions</b>						
	Parallel Session 1	3.45 PM - 5.30 PM	M. Bhavya Reddy	G204		Characterization of Distillery Effluent, Its Effect on Maize and Post-Harvest Soil Properties
Supreet Jojawar			The Challenges of Waste-Water Infrastructure: A Case Study of Pune City			
G. Sugamani			Environmental management of construction projects in Coastal regulation zone of Kakinada using QGis			
	Parellel session 2	3.45 PM - 5.30 PM	Vaisakh Petchinath M	F206		Advancements in Machine Learning Techniques for Water Quality Index Prediction in Cauvery Basin: A Paradigm Shift in Environmental Assessment
Ambiliy P			Blue Green Infrastructure for Urban Flood Resilience: A Paradigm Shift			

			Zoha Jafar			Integrated Urban Water Management: Assessing Urban Impact and Dynamics in Relation to Seismic Microzonation with Special Reference to Rishikesh
Parellel session 3	3.45 PM - 5.30 PM	Pooja. G	K119			A Comparative Study on the Removal of Emerging Contaminants in Water System using Bio-synthesized and Chemical Surfactant-assisted Flotation Process
		Cindrella Joy Joseph				Minimum Inhibitory Concentrations of Selected Antibiotics Against Escherichia coli* Isolated from Muvattupuzha River, Central Kerala, India
		Shirin Akhtar				Assesment of Water Quality of the River Ganges at Garhmukteshwar, Uttar Pradesh
Parellel session 4	3.45 PM - 5.30 PM	Dr. Nisikant Nayak	K219			An Evaluation of Water Security in Coastal Urban Areas: A Comprehensive Case Study of Bhubaneswar, Odisha
		Dr. Habibur Rahman Laska				Management Control System for Stakeholders Involvement in Water Governance
		Quamrul Hassan				Overcoming the Challenges in Blue-Green Infrastructure for Urban Water Management in the Cities of India
<b>DAY 2</b>						
<b>Registration (9:00 AM-9:30AM)- F206</b>						
<b>Parallel Sessions</b>						
	Parellel session 5	12.00 PM - 1.30 PM	Dr. Nasir Ahmad Ganaie	K 119		Innovative Approaches to Sustainable Urban Water Management: Enhancing Water Quality in Srinagar, Jammu & Kashmir

			Abhijeet Das			Integrated Study of GIS and Random Forest Algorithm to Identify Potential Sites for Assessing Surface Water Quality
			Rohit Jha			Socio-spatial analysis of the peri-urban waterscape: A study of Hyderabad
Parellel session 6	12.00 PM - 1.30 PM		Girish Girilal	K219		Integrated Performance Management Systems (IMPS) for Pumping Stations
			P. Ramesh Chandra Phani			Quality of Water in Himayat Nagar Lake of Hyderabad, Telangana
			Sana Saifi			Toxicity assessment of pharmaceutical industry wastewater
<b>Lunch Break (1.30 PM-2.00 PM)-Auditorium Foyer</b>						
<b>Parallel Sessions</b>						
Parellel session 7	2.00 PM - 4.30 PM		Syed Humarah Andrabi	K219		Assessment of water quality of Dal Lake, Kashmir: A threat to aquatic and human life
			Subhashish Dey			Synthesis and characterizations of biosorbent materials for removals of sulphates from contaminated water for better aquatic environments
			A B Mirajkar			Diversion canal flow Simulation study and inundation mapping for flood condition for a proposed mining site
			Dr. Deshbhushan Patil			Domestic Wastewater Treatment using Concentric Three Chambered Septic Tank
			Sahil Pillai			Innovative Approaches to Enhance Water Quality: Emerging Issues and Remedial Measures
Parallel Session 8			Aiswarya Suresh P P	F206		Treatment of hostel Greywater using Hydrodynamic Cavitation process

		Adwitiya Roy			Evaluating the application of the decomposition method in conjunction with optimization techniques to determine cost-effective water distribution strategies in urban water supply systems
		Mohammad Zaid Qamar			AI-Powered Inversion and Big Data Scenario Analysis for River Management
		Akshay Kumar			Mapping and Assessing the Impacts of the Floods Using Microwave Remote Sensing and Google Earth Engine
		Ansh Kalucha			
Paralel session 9	2.00 PM - 4.30 PM	Dr.Pradeepta Kumar Samanta	K119		Community Engagement and Citizen Participation in ensuring Water Governance: A Case of 'SUJAL' Scheme of Odisha
		Alluri Venkata Nagavarma			Barriers in Participative Water Governance-A Critical Analysis of Community Development Approaches: Issues and Challenges
		Srishti Srivastava			Assessment of Water Quality and Emergence of Multidrug-Resistant Bacteria in Drinking Water of Jaipur, Rajasthan
		J Jayaraj			Modeling the Transport and Retention of Nanoparticles in a Single Partially Saturated Pore in Soil
		Shanu Raina			Urbanization and Traditional Water Systems : Comparative Study of Tank Cascade Systems in South India
Paralel session 10	2.00 PM - 4.00 PM	Abhijeet Das	G204		Application of Entropy-Water Quality Index (E-WQI) and Ensemble Ranking (ER) Method for Assessment of Water Quality Around Mahanadi River in Odisha Region, India

			Shyam Kumar Inturi			Comprehensive Review of Water Production from Gas-Hydrate Reservoir
			Monomoy Goswami			Future precipitation characteristics of designated smart cities of India for integrated urban water management under selected 'Shared Socio-economic Pathways' of climatic variations
			Dr. Farhan Khan			Growth Analysis of E. coli Bacteria in Groundwater
			Yerramilli Sai Rama Krishna			Effect of Temporal Variations in Velocity and Ionic Strength on Colloid Remobilization in Saturated Porous Media

**DAY 3**

**Registration (9:00 AM-9:30AM)- F206**

			Rima Manik			
	Parallel Session 11	2.00 PM - 3.30 PM	Pratik Shashwat	G204		Urban Flood Runoff Prediction Using Convolutional Neural Networks: A Case Study of Jaipur, India
			Huma khan			Sustainability analysis for urban water management in Himalayan region region
	Parellel session 12	2.00 PM - 3.30 PM	Dr. Samridhi Rana	K119		Estimation of Drinking Water Intake and Source Pattern Among IIT Delhi Residents
			Samuel Kaki			Synthesis & Evaluation of Bacterial Cellulose Membrane for Liquid Filtration
			Nibedita Verma			Assessment of assimilation capacity of the urban River reach of Delhi, India
	Parellel session 13	2.00 PM - 3.30 PM	Dr.Farhan Khan	K219		Review on biosensor based detection methods of <i>Escherichia coli</i>
			Girish Girilal			AI-based Sewage Block Predictor System (SBPS)

			Pala Niteesh Sai			Smart Contracts for Efficient Water Resource Allocation in Fast-Growing Cities a sustainable approach
Parellel session 14	2.00 PM - 3.30 PM	Hrushikesh				Water Sustainability using Geospatial Technologies
		Mahima John Horta				Cotransport of clay and microplastics in saturated porous media
		Srilekha Ati				
Parallel session 15	2.00 PM - 3.30 PM	Suryansh M	Online (F206)			Centre for Flood Management Studies, National Institute of Hydrology, Patna
		Ankit Kumar				Groundwater and Beyond : Sustainable Solutions for Water Body Rejuvenation in Gautam Buddha Nagar, India
		Srishti Saxena				Influence of Demographic and Socio-Economic Factors on Perceived Water Governance: Insights from a Cross-Sectional Study in Visakhapatnam, India
		Gopika L				Developing a Visualization Toolkit for Water-Sensitive Urban Planning in Secondary Indian Cities: The Case of Kozhikode, Kerala
5	Parallel session 16	2.00 PM - 3.30 PM				
6	Closing Session	3:30 PM-5:00PM		F206		Address by Prof. Rajiv Gupta
						Best three papers prize
						Vote of thanks