



# XII<sup>th</sup> Scientific Assembly of the International Association of Hydrological Sciences (IAHS 2025)

October 05-October 10, 2025 | IIT Roorkee, India



Time Slot	Session Details							
11.00-12.30	3.2 Oral+ForumOral   Wednesday, October 8							
#	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country	Status/Presenter
Oral-20	IAHS25_ABS_E1024	Impact of peatland restoration in Boreal Conditions, A Hydrological Perspective	ICSW	Plenary Oral	Prof. Hannu Marttila	University of Oulu	Finland	Withdrawn
Oral-20	IAHS25_ABS_F6321	Complexity and Connectivity in Hydrology	ICSW	Plenary Oral	Prof. Bellie Sivakumar	IIT Bombay	India	
Oral-21	IAHS25_ABS_S3604	River basin trajectories under global change: earth observations and participatory hydrological modelling in the Senegal river basin	ICSW	Plenary Oral	Dr. Andrew Ogilvie	French Research Institute for Sustainable Development (IRD)	France	
Oral-22	IAHS25_ABS_Y8185	Using Ensemble Machine Learning to Analyze Climate Change Impacts on Hydropower Inflows in West Africa	ICSW	Plenary Oral	Mr. Franck Herve Akaffou	Jean Lorougnon Guédé University	Cote d'Ivoire	
1	IAHS25_ABS_X9372	The identification of critical zones in Southern Kerala river basins employing combined clustering and prioritization strategies	ICSW	Forum Oral	Ms. Athira R.	College of Engineering Trivandrum	India	Withdrawn
2	IAHS25_ABS_F6774	A hydro-signature integrated physics-informed machine learning (HS-PIML) framework for enhancing streamflow predictions across diverse catchments	ICSW	Forum Oral	Mr. Ritesh Yewnath Moon	University of Birmingham	United Kingdom	
3	IAHS25_ABS_Y6963	Remote Sensing based Systematic Wetland Improvement and Management (SWIM) Protocol: A Nature-Based Solution for Disaster Risk Reduction in Bihar India	ICSW	Forum Oral	Dr. Channarayapattana Narasimhamurthy Prabhu	Bihar Mausam Sewa Kendra	India	
4	IAHS25_ABS_G8369	Rainwater Harvesting Potential Zone Mapping in Urban Areas Using GIS Remote Sensing and AHP: A Case Study of Hyderabad City	ICSW	Forum Oral with Poster	Dr. Shaik Rehana	International Institute of Information Technology Hyderabad	India	
5	IAHS25_ABS_N5514	Climate Change impacts on freshwater quantity and quality in Canada	ICSW	Forum Oral with Poster and Video-Interview	Prof. Ram Yerubandi	Environment and Climate Change Canada	Canada	
6	IAHS25_ABS_V2968	Analysis of asymmetric behavior of storm runoff components in a tropical experimental catchment	ICSW	Forum Oral	Mr. Rajat Kumar Sharma	NCESS, Ministry of Earth Sciences	India	
7	IAHS25_ABS_O4976	Climate change impact assessment on the hydrological response of the Tawa basin for sustainable water management	ICSW	Forum Oral with Poster	Ms. Pragya Badika	IIT Roorkee	India	
8	IAHS25_ABS_W3290	Changes in runoff response to rainfall along forest degradation gradients in the Lesser Himalaya of NW India	ICSW	Forum Oral	Dr. Nuzhat Ul Qayoom Qazi	Himalayan Ecosystem Services Trust	India	
9	IAHS25_ABS_W1278	Blending Subseasonal-to-Seasonal Hydrological Predictions from Multiple Forecasting Systems	ICSW	Forum Oral with Poster	Dr. Burak Bulut	UK Centre for Ecology and Hydrology	United Kingdom	
10	IAHS25_ABS_F3652	Urban hydrology challenges and solutions: insights from the Birmingham Urban River Observatory	ICSW	Forum Oral with Poster and Video-Interview	Prof. David M. Hannah	University of Birmingham	United Kingdom	



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11	IAHS25_ABS_V9526	Quantifying water balance dynamics and associated uncertainties in an irrigated catchment using open-source gridded datasets and hydrological modelling with improved process representation: case of Hindon River Basin India	ICSW	Forum Oral with Poster	Mr. Raul Mendoza	Wageningen University & Research	Netherlands	
12	IAHS25_ABS_Q4924	Hydrological Modeling of Extreme Floods in Mountain Permafrost Regions: A Case Study of Magadan Oblast Russia	ICSW	Forum Oral with Poster	Mrs. Oksana Zhunusova	State Hydrological Institute	Russian Federation	
13	IAHS25_ABS_O8976	A Comprehensive Framework for Modeling Releases in a Cascading Reservoir System	ICSW	Forum Oral	Ms. Sruthakeerthi P.	IIT Roorkee	India	
14	IAHS25_ABS_R3591	Comparison of Flash Droughts and Conventional Droughts in Madhya Pradesh Using the SPEI Index	ICSW	Forum Oral	Ms. Upasana Jha	IIT Hyderabad	India	
15	IAHS25_ABS_M4544	Enhancing streamflow simulation of the SWAT model using parameter regionalization and high-resolution remote sensing data	ICSW	Forum Oral with Poster	Mr. Bhabesh Das	IIT Roorkee	India	
16	IAHS25_ABS_L7853	Trends in Urban Flooding with Rapidly Expanding Impervious Area	ICSW	Forum Oral	Mr. Arkadip Mallik	IIT Delhi	India	
17	IAHS25_ABS_I9774	Investigation of Open-Source LULC Datasets for Watershed Hydrology Simulation	ICSW	Forum Oral with Poster	Mr. Prashant Prashant	IIT Roorkee	India	
18	IAHS25_ABS_P3782	Assessing Extreme Flood Inundations in Brahmani-Baitarani Delta under Future Climate Change Scenarios with BiLSTM and HEC-RAS 2D Models	ICSW	Forum Oral with Poster	Dr. Bhabagrahi Sahoo	IIT Kharagpur	India	
19	IAHS25_ABS_U6566	Enhancing weather radar estimates of heavy rainfall for near real time landslide and flash flood EWS in Thailand	ICSW	Forum Oral with Poster	Prof. Thom Bogaard	Delft University of Technology	Netherlands	
20	IAHS25_ABS_P7530	Does MC-LSTM model improve the reliability of streamflow prediction in human-influenced watersheds in India?	ICSW	Forum Oral	Mr. Gopeshwar Sahu	IIT Roorkee	India	