



XIIth Scientific Assembly of the International Association of Hydrological Sciences (IAHS 2025)

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



4.4 Oral+ForumOral | Thursday, October 9

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
1	IAHS25_ABS_K8911	Recharging Tradition Ensuring the Future: The Impact of Minor Irrigation Tank Rehabilitation on Groundwater in Andhra Pradesh	ICGW	Plenary Oral (15-minute oral presentation)	Mr. Shubham Goswami	IISc Bangalore	India
2	IAHS25_ABS_G6145	Effects of groundwater transient boundary conditions generated by anthropogenic factors on mixing enhancement: Laboratory and model-based evidence	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Francesca Ziliotto	Technical University of Munich (TUM)	Germany
3	IAHS25_ABS_B8698	An integrated approach to determine the groundwater recharge in the coastal regions of North-eastern Odisha India	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Subhashree Biswal	Ravenshaw University Cuttack	India
4	IAHS25_ABS_A5325	Assessment of Groundwater Dynamics in Agro-Climatic Zone of Eastern India using Data-driven approaches	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Gaurav Dumoga	IIT Bombay	India
5	IAHS25_ABS_D7083	Understanding Aquifer Dynamics of Springs in the Tawi River Catchment Jammu & Kashmir UT Western Himalayas	ICGW	Forum Oral (1-minute flash presentation)	Dr. Bhargabnanda Dass	National Institute of Hydrology	India
6	IAHS25_ABS_A2730	Chlorinated solvents in UK Groundwater: A Data-Driven Analysis of Long-Term Trends and Occurrence Prediction	ICGW	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Ms. Nouha Samlani	Teesside University	United Kingdom
7	IAHS25_ABS_Q6225	Using collaborative Agent-Based Modelling (ABM) to enhance decision making in agricultural water use	HELPING theme 3	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. David Gwapedza	University of Namibia	Namibia
8	IAHS25_ABS_M8479	What do we need to know? Ten questions about climate and water challenges in Berlin-Brandenburg	HELPING theme 3	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Pedro Henrique Lima Alencar	Technische Universite Berlin	Germany
9	IAHS25_ABS_L9020	Machine Learning-Integrated InSAR Analysis for Land Deformation Study in Jodhpur City Using Sentinel-1 SAR and GRACE TWS Data	ICRS	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Surender Pal	National Institute of Hydrology Roorkee	India
10	IAHS25_ABS_E8385	Enhancing soil moisture and vegetation optical depth retrievals through improved surface roughness parameterization for the upcoming CIMR satellite mission	ICRS	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Debolina Mondal	IIT Bombay	India
11	IAHS25_ABS_I6750	Assessing the Impact of Wildfires on Soil and Water Quality Using Hyperspectral Remote Sensing and Field Analysis	ICRS	Forum Oral (1-minute flash presentation)	Mr. Pankaj Patidar	IIT Roorkee	India
12	IAHS25_ABS_O7943	Performance Assessment of IMERG Precipitation Estimates Using MESONET Data in Mumbai	ICRS	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Yashraj Nagraj Upase	IIT Hyderabad	India
13	IAHS25_ABS_P9325	Estimation of Evapotranspiration Using the S-SEBI Model and Landsat-9 Data over Asan Barrage	ICRS	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Ms. AYUSHI BHATI	Indian Institute of Remote Sensing	India
14	IAHS25_ABS_J1018	HydroSecure Dashboard: Advancing Climate Resilience through Flood and Drought Monitoring and Management in Africa	ICRS	Forum Oral (1-minute flash presentation)	Dr. Giriraj Amarnath	International Water Management Institute (IWMI)	Sri Lanka
15	IAHS25_ABS_M7277	A Comparative Analysis of Advanced Machine Learning Techniques for Accurate Groundwater Potential Zone Mapping in Haryana India.	ICRS	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Shubham Bhagat	Indian Institute of Science Education and Research Mohali	India
16	IAHS25_ABS_W7088	Spatio-Temporal Investigation of Precipitation Variability and Extreme Rainfall in the Cauvery Basin Tamil Nadu India Using CMIP6 data	ICRS	Forum Oral (1-minute flash presentation)	Dr. Saravanan Subbarayan	National Institute of Technology Tiruchirappalli India	India



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17	IAHS25_ABS_B6410	Estimating river bathymetry from spaceborne LiDAR data and curve-fitting method	ICRS	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Mr. Pankaj Ramji Dhote	Indian Institute of Remote Sensing ISRO Dehradun	India
18	IAHS25_ABS_M3814	Machine Learning for Multi-Hazard Susceptibility in Kenya: Integrating Earth Observation and Reported Events	ICRS	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Sneha Kour	Birla Institute of Technology Mesra	India
19	IAHS25_ABS_D2349	Insights into the Agricultural Drought Assessment: A Case Study from Odisha Using Google Earth Engine	ICRS	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Anuva Chowdhury	Birla Institute of Technology Mesra	India
20	IAHS25_ABS_R7668	Seasonal Shifts in Snowpack Dynamics and Their Response to Climate Change in the Swiss Alps	ICSIH	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Ms. Fatemeh Zakeri	University of Lausanne	Switzerland
21	IAHS25_ABS_A5687	Arsenic Contamination and its Health Ramification in a village of Buxar District Bihar	ICWQ	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Mr. Asrarul Haque Jeelani	Jamia Millia Islamia	India
22	IAHS25_ABS_X1946	HYDROLOGICAL AND WATER QUALITY IMPACTS OF CLIMATE VARIABILITY AND LAND-USE CHANGE: A CASE STUDY OF THE MUDA RIVER CATCHMENT	ICWQ	Forum Oral (1-minute flash presentation)	Dr. Siti Nurhidayu Abu Bakar	Universiti Putra Malaysia	Malaysia
23	IAHS25_ABS_W6469	Emerging organic compounds in surface and groundwater reflect the urban dynamics in sub-Saharan cities	ICWQ	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Boris Djieugoue	Universite de Douala	Cameroon
24	IAHS25_ABS_N6326	WATER QUALITY MONITORING AND RISK ASSESSMENT FOR INDIAN COASTAL RAMSAR WETLANDS	ICWQ	Forum Oral (1-minute flash presentation)	Mr. VIJAY JAIN	IIT INDORE	India
25	IAHS25_ABS_H6606	Hydropeaking affects groundwater flow and transport processes: a multiple spatial and temporal analysis	ICGW	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Dr. Monica Basilio Hazas	Friedrich-Alexander-Universität Erlangen-Nürnberg	Germany