



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

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



2.4 Oral+ForumOral | Tuesday, October 7

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
1	IAHS25_ABS_F9692	Optimization of operational cycle for energy maximization in pumped storage hydropower plants	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Pattabiraman Balasundaram	IIT Roorkee	India
2	IAHS25_ABS_X8966	Effect of different nitrogen treatments on chlorophyll content and yield of wheat crop	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Apoorva Yadav	Shiv Nadar University	India
3	IAHS25_ABS_B1979	Water Supply-Demand Gap in Dura City Palestine: Challenges and Recommendations	ICWRS	Forum Oral (1-minute flash presentation)	Dr. Hamzah Faquseh	University of Brescia	Italy
4	IAHS25_ABS_F3390	Drivers of the seasonal slow-flow variability in a mountainous catchment	ICWRS	Forum Oral (1-minute flash presentation)	Mr. Sanjay Kumar	IIT Roorkee	India
5	IAHS25_ABS_N2085	Regional Analysis of Drought Characteristics Using Meteorological Drought Indices across India	ICWRS	Forum Oral (1-minute flash presentation)	Ms. Pranita Joshi	IIT Roorkee	India
6	IAHS25_ABS_H6526	On the need for capturing historical trend of crop yield in crop models for efficient estimation of crop water use	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Aniruddha Saha	IIT Roorkee	India
7	IAHS25_ABS_I1068	Forest Fire Dynamics in Himachal Pradesh: Spatiotemporal Patterns and Driving Factors (2000-2024)	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Nisha Jindwal	IIT Mandi	India
8	IAHS25_ABS_C1620	Adapting Water Resource Management to Climate Change in the Alpine Region of South Tyrol Italy	ICWRS	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Dr. Giacomo Bertoldi	Eurac Research	Italy
9	IAHS25_ABS_B7888	Complex governance finance and natural resource considerations on 'going off grid' for Rhodes University South Africa	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Jane Louise Tanner	Rhodes University	South Africa
10	IAHS25_ABS_W4151	Climate change and water resources capacity development in Africa under the SASSCAL and WASCAL doctoral programmes	ICWRS	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Dr. Luna Bharati	International Center for Water Resources and Global Change	Germany
11	IAHS25_ABS_M9363	State of Art of Ecohydrology Research in the Indian Subcontinent : A Review	ICWRS	Forum Oral (1-minute flash presentation)	Mr. Pankaj Verma	IIT Mandi	India



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12	IAHS25_ABS_Q4852	Strengthening Global Hydrological Research - Outcomes of the WMO Research Board Task Team on Hydrology Research	ICWRS	Forum Oral (1-minute flash presentation)	Dr. Ilias Pechlivanidis	SMHI	Sweden
13	IAHS25_ABS_W6265	Progress on artificial eco-environmental water supplement in recent 20 years in China	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Chunfeng Hao	China Institute of Water Resources and Hydropower Research	China
14	IAHS25_ABS_I7541	Clustering Catchments by Low Flow Behavior: An Unsupervised Learning Approach	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Nishant Saxena	IIT Roorkee	India
15	IAHS25_ABS_O9210	Advancing the Quantification of Water Resources using Coupled Hydrological model – Water Accounting Approach	ICWRS	Forum Oral (1-minute flash presentation)	Ms. Pooja Patle	IIT Roorkee	India
16	IAHS25_ABS_A6676	Seamless short to long term forecasting of inflow into lake Baikal: development and online assessment	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Vsevolod Moreido	Water Problems Institute of the Russian Academy of Sciences	Russian Federation
17	IAHS25_ABS_X9929	Length scale and energy distribution through grid-induced turbulence in pulsating flow case	ICWRS	Forum Oral (1-minute flash presentation)	Dr. Pankaj Kumar Raushan	IIT Bombay	India
18	IAHS25_ABS_T7213	An Open-Source Tool for Generating Hourly Synthetic Streamflow Series in Ungauged Basins Using Regional Flow-Duration Curves	ICWRS	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Mr. Alan Spadoni	University of Bologna	Italy
19	IAHS25_ABS_V9616	From Climate Shifts to Flood Changes: Data Based and Modelling Approaches	ICWRS	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Alberto Viglione	Politecnico di Torino	Italy