



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

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



2.1 Oral+ForumOral | Tuesday, October 7

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
1	IAHS25_ABS_E1677	Correcting Biases in the Wind Simulations of Climate Models: Improving Drought Extremes and Spatial Coherence	ICSH	Plenary Oral (15-minute oral presentation)	Dr. Cilcia Kusumastuti	Petra Christian University	Indonesia
2	IAHS25_ABS_C2483	Physics-based Assessment of Pluvial Flood Hazard and Exposure from Hourly Rainfall Extremes Preconditioned by Heatwaves	ICSH	Plenary Oral (15-minute oral presentation)	Prof. Poulomi Ganguli	IIT Kharagpur	India
3	IAHS25_ABS_A3599	Towards achieving reliable probabilistic hydrological predictions at the hourly scale	ICSH	Plenary Oral (15-minute oral presentation)	Dr. Cristina Prieto	IHCantabria	Spain
4	IAHS25_ABS_F3784	Deciphering Historical Rainfall Patterns in the Indian Ganga Basin: Drivers Dynamics and Implications	ICSH	Forum Oral (1-minute flash presentation)	Mr. Amit Kumar Maurya	Indian Institute of Science Education and Research Bhopal (IISERB)	India
5	IAHS25_ABS_T7640	A physics-informed Graph Neural Network Framework for Post-processing Ensemble streamflow simulations in a river network	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Anagha P	IIT Delhi	India
6	IAHS25_ABS_I9896	High-Resolution CMIP6 Downscaled Precipitation and Temperature Dataset Over South Asia	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Neharika Bhattarai	IIT Delhi	India
7	IAHS25_ABS_G2403	Teleconnection-informed frequency analysis of rainfall extremes	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Andrea Magnini	University of Bologna	Italy
8	IAHS25_ABS_G1792	Insurance as a tool to manage the flooding risk	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Giorgio Roth	Università di Genova	Italy
9	IAHS25_ABS_A3838	Resolving Data scarcity: A cluster-based rainfall regionalization of Kerala India	ICSH	Forum Oral (1-minute flash presentation)	Mrs. Meera G Mohan	TKM College of Engineering Kollam	India
10	IAHS25_ABS_L6982	Application of Polynomial Chaos Expansion method for hydrological model uncertainty	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Tirupati Bolisetti	University of Windsor	Canada
11	IAHS25_ABS_X7533	Morphometric Analysis and Hydrological Modeling of the Meenachil River Basin Using Digital Elevation Models (DEMs)	ICSH	Forum Oral (1-minute flash presentation)	Mr. P MUKUNDHAN	MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY	India
12	IAHS25_ABS_T4889	Statistical Flood Frequency Analysis of the Beas River: Evaluating Extreme Flood Events in a Himalayan Basin	ICSH	Forum Oral (1-minute flash presentation)	Dr. Mahesh Patel	Dr BR Ambedkar National Institute of Technology Jalandhar	India



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13	IAHS25_ABS_J7528	Quantifying Multivariate Streamflow Drought Hazards in Large River Basins Accounting Onset Seasonality and Event Magnitude	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Aparna Raut	IIT Kharagpur	India
14	IAHS25_ABS_O6697	Performance Evaluation of TIGGE Precipitation Datasets and Post-Processing Techniques for Enhanced Flood Forecasting Accuracy	ICSH	Forum Oral (1-minute flash presentation)	Mr. Anant Patel	SVNIT Surat	India
15	IAHS25_ABS_H7736	Evaluation of the performance of satellite-based rainfall products in the South-East of the Congo Basin in Lubumbashi region	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Benjamin Kitambo	University of Lubumbashi	Democratic Republic of The Congo
16	IAHS25_ABS_R8145	Evaluation of different precipitation data over the Pamba River basin Kerala	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Geethika Moorthy	IIT Roorkee	India
17	IAHS25_ABS_S7280	False Nearest Neighbour: A Chaos-Based Dimensionality Analysis of Hydrometeorological Variables in the Lower Columbia River basin	ICSH	Forum Oral (1-minute flash presentation)	Ms. Injila Hamid	IIT Bombay	India
18	IAHS25_ABS_J5057	A Channel Network Morphology-based Perspective on Discharge-Basin Area Scaling	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Akshay Kadu	IIT Bombay	India
19	IAHS25_ABS_T7088	towards improved flood risk management in cÃ´te d'ivoire: digitization of pluviographs and incorporation of rainfall non-stationarity	ICSH	Forum Oral (1-minute flash presentation)	Mr. Kouadio Aime Kouassi	Universit� Nangui Abrogoua	Cote d'Ivoire
20	IAHS25_ABS_W1775	Detecting trends in extreme long duration rainfall data in KwaZulu-Natal South Africa.	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Demian Vusimusi Mukansi	University of KwaZulu-Natal	South Africa
21	IAHS25_ABS_K5160	Multivariate analysis of extreme space-time rainfall events based on raingauge data	ICSH	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Prof. Fabio Castelli	University of Florence	Italy
22	IAHS25_ABS_A2486	Integrated Flood Characterization and Index Development in the Narmada Basin	ICSH	Forum Oral (1-minute flash presentation)	Dr. Somil Swarnkar	IISER Bhopal	India
23	IAHS25_ABS_W5998	Statistical Characterization of Upstream Flooding Patterns Induced by Culvert Capacity Exceedance	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Berina Mina Kilicarslan	New York University	United States