



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

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



1.3 Oral+ForumOral | Monday, October 6

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
1	IAHS25_ABS_O3391	Carbon export from wastewater treatment effluents in the Mississippi River Basin	ICWQ	Plenary Oral (15-minute oral presentation)	Prof. Y. Jun Xu	Louisiana State University	United States
2	IAHS25_ABS_V1817	Understanding the hydrological drivers of global human health risks - a call to the international hydrological community to co-create solutions at the Water and Health Nexus	ICWQ	Plenary Oral (15-minute oral presentation)	Prof. Stefan Krause	University of Birmingham	United Kingdom
3	IAHS25_ABS_W3049	How important are calibration strategies for large scale water quality modeling?	ICWQ	Plenary Oral (15-minute oral presentation)	Dr. Alena Bartosova	Swedish Meteorological and Hydrological Institute	Sweden
4	IAHS25_ABS_P7579	Revealing climate-induced patterns in crop yields and the water-energy-food-carbon nexus: insights from the Pearl River Basin	ICWQ	Forum Oral (1-minute flash presentation)	Prof. Xiaohong Chen	Sun Yat-sen University	China
5	IAHS25_ABS_D8089	Post Monsoon Water Quality Assessment of Water Sources of Bhopal City Using Artificial Intelligence and Machine Learning Tools: A New Insight	ICWQ	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Prof. Prashant Pandey	Lakshmi Narain College of Technology LNCT University Bhopal	India
6	IAHS25_ABS_D6376	Hydrogeochemistry Enrichment Mechanism and Health Risk Assessment of Groundwater Fluoride in Karaga District of the Northern Region Ghana	ICWQ	Forum Oral (1-minute flash presentation)	Prof. Emmanuel Daanoba Sunkari	Sir Padampat Singhanian University	India
7	IAHS25_ABS_X4527	A Comprehensive Groundwater Assessment in parts of Chhota Nagpur Gneissic Complex: Evaluating Groundwater Potential Hydrogeochemistry and Public Health Risks	ICWQ	Forum Oral (1-minute flash presentation)	Dr. Dev Sen Gupta	Banaras Hindu University	India
8	IAHS25_ABS_Y7311	Unraveling Agricultural Non-Point Source Pollution in the Hindon River Basin: A SWAT+ Model Approach	ICWQ	Forum Oral (1-minute flash presentation)	Mr. Vivek Tiwari	IIT Roorkee	India
9	IAHS25_ABS_A2552	WISE: a watershed-scale carbon budget calculator	ICWQ	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Prof. Junzhi Liu	Lanzhou University	China
10	IAHS25_ABS_G4967	Sandâ€‘Gravel Mining Impacts on Water Quality in an Alluvial River with Tributary Intervention: A case study of Thoubal-Itok River system Manipur India	ICWQ	Forum Oral (1-minute flash presentation)	Dr. ROMEJI NGANGBAM	National Institute of Technology Manipur Department of Civil Engineering	India
11	IAHS25_ABS_L8584	Remote Sensing-Based Assessment of Turbidity and Chlorophyll Variations in the Ganga-Yamuna Rivers Sangam During the Kumbh Mela 2025	ICWQ	Forum Oral (1-minute flash presentation)	Dr. Hemant Raheja	IIT Roorkee	India
12	IAHS25_ABS_C2873	Understanding the roles of climate change land use and land cover change and water diversion project in modulating water- and carbon-use efficiency in Han River Basin	ICWQ	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Dedi Liu	Wuhan university	China
13	IAHS25_ABS_A9832	The Impact of Abattoir Effluent on the Quality of Ogun River in Kara Market Southwest Nigeria.	ICWQ	Forum Oral (1-minute flash presentation)	Dr. Amidu Owolabi Ayeni	University of Lagos	Nigeria



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14	IAHS25_ABS_U1665	Adverse Impacts of Climate Induced Global Changes on Water Quality Security and Availability in India: Necessary Mitigation Measures and Appropriate Adaptation Strategies Needed	ICWQ	Forum Oral (1-minute flash presentation)	Prof. Bhaskara Rao Mulam	Rajiv Gandhi University of Knowledge Technologies	India
15	IAHS25_ABS_N7605	Comprehensive Water Management: Quality Monitoring Fate Assessment and Nano-enabled Remediation for Sustainable Solutions	ICWQ	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Nitin Khandelwal	IIT Roorkee	India
16	IAHS25_ABS_A9368	Evaluating Water Quality of the Ganga River: Integrating Satellite Data and In-Situ Measurements	ICWQ	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Mr. Abhay Masiwal	Indian Institute of Remote Sensing	India
17	IAHS25_ABS_E2314	Anthropogenic changes of heatwave-extreme precipitation events have emerged from the natural climate variability	ICWQ	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Jie Chen	Wuhan University	China
18	IAHS25_ABS_U9413	Hydro-Chemical Characterization of Middle Zarafshan River Basin Using Geospatial Technology	ICWQ	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Ms. Shakhnoza Shavkatovna Khudoyarova	Samarkand state university named after Sharof Rashidov	Uzbekistan
19	IAHS25_ABS_D7421	Study on the Effect of Underlying Surface Changes on Runoff Generation in the Urbanized Watershed	ICWQ	Forum Oral (1-minute flash presentation)	Dr. Yunqiu JIANG	Zhengzhou Univercity	China
20	IAHS25_ABS_J2439	Complex Network-based Analysis of Water Quality Dynamics in the Mississippi River	ICWQ	Forum Oral (1-minute flash presentation)	Ms. Harshal Ashokrao Parate	IIT Bombay	India
21	IAHS25_ABS_Y4289	GROUNDWATER IN FLUX: A COMPREHENSIVE ANALYSIS OF WATER QUALITY IN THE GOMATI RIVER BASIN	ICWQ	Forum Oral (1-minute flash presentation)	Ms. Shivani Gupta	University of Allahabad	India
22	IAHS25_ABS_K2994	Fate of organo-arsenic compounds in the environment	ICWQ	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Mr. Spandan Naskar	IIT Roorkee	India
23	IAHS25_ABS_F9890	Identifying and overcoming limitations of open-source surface water quality datasets of India	ICWQ	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Bihu Suchetana	IIT Roorkee	India