



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

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



4.3 Oral+ForumOral | Thursday, October 9

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
1	IAHS25_ABS_N3288	Probabilistic groundwater flood maps for improved risk assessment	ICGW	Plenary Oral (15-minute oral presentation)	Dr. Beatrice Richieri	Friedrich-Alexander-University	Germany
2	IAHS25_ABS_T6439	Advancing Hydrogeochemical Modeling and Sustainable Water Resource Management: Insights into Pyrite Oxidation Contaminant Transport and Urban Stormwater Systems	ICGW	Plenary Oral (15-minute oral presentation)	Dr. GAUTAM ROY	IIT Bombay	India
3	IAHS25_ABS_D5433	Submarine Groundwater Discharge: A Hidden Water Pathway	ICGW	Plenary Oral (15-minute oral presentation)	Dr. JEENU MATHAI	National Centre for Earth Science Studies	India
4	IAHS25_ABS_W9319	ASSESSING POTENTIAL OF CROP SWITCHING TO CHECK GROUNDWATER DEPLETION IN NORTH-WEST INDIA	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Divyam Garg	IIT Roorkee	India
5	IAHS25_ABS_T3348	Unveiling the Drivers of Groundwater Resilience: Hydrogeology and Aridity	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Akhil J	IIT Delhi	India
6	IAHS25_ABS_E5219	Groundwater potential zone identification in a coastal region using AHP and ML technique	ICGW	Forum Oral (1-minute flash presentation)	Ms. SHUBHSHREE PANDA	NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA	India
7	IAHS25_ABS_P4217	Assessing Data-Based Global Groundwater Use for Irrigation in CLM5: Hotspots and Sustainability Implications	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. MANAS RANJAN PANDA	YONSEI UNIVERSITY	Republic of Korea
8	IAHS25_ABS_I6640	Coupled hydrological modeling with SWAT-MODFLOW using heliborne data in the Ankasandra watershed Karnataka India	ICGW	Forum Oral (1-minute flash presentation)	Dr. Ajaykumar Venkatarao	CSIR-National Geophysical Research Institute	India
9	IAHS25_ABS_C5609	Modelling colloid-facilitated contaminant transport in unsaturated porous media	ICGW	Forum Oral (1-minute flash presentation)	Ms. GEETANJALI AHIRWAL	MANIT BHOPAL	India
10	IAHS25_ABS_K4680	Prediction of Nitrate Concentration throughout California USA using Machine Learning Model	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. ANISHA DAS	IIT ROPAR	India
11	IAHS25_ABS_J5422	Groundwater Storage Estimation in Uttar Pradesh by GRACE/GRACE-FO using Geospatial technology and Google Earth Engine	ICGW	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Mr. SWARNIM MAURYA	University of Allahabad	India
12	IAHS25_ABS_P6845	Hydrogeochemical evaluation of groundwater resources around Raichur Thermal Power Plant Karnataka India with emphasis on fluoride and nitrate contamination	ICGW	Forum Oral (1-minute flash presentation)	Ms. Yeshwini Dyagala	CSIR-NGRI	India
13	IAHS25_ABS_U3229	Spring Water Mass Quantification Through End Members mixing Employing Biogeochemical Tracers in Southern Western Ghats Kerala India	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Utpal Majee	National Centre for Earth Science Studies	India
14	IAHS25_ABS_L3156	Spatiotemporally Non-Stationary Evolution of Groundwater Levels in Poyang Lake Basin Driven by Meteorological and Hydrological Factors	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Chengpeng Lu	Hohai Univerisity	China



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

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



4.3 Oral+ForumOral | Thursday, October 9

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
15	IAHS25_ABS_C9672	Estimation of aquifer recharge of the semi-arid Konya Closed Basin in Türkiye under climate change	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Nadim Kamel Copty	Bogazici University	Turkey
16	IAHS25_ABS_A4544	Groundwater remediation through engineered injection-extraction systems: The effect of random perturbations on mixing enhancement	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Carla Feistner	GeoZenrum Nordbayern	Germany
17	IAHS25_ABS_A4116	Assessment of hydrogeochemical characteristics and seawater Intrusion using geostatistical techniques: A case study from Eastern Coastal Aquifer Odisha India	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Smruti Pragyan Parija	Ravenshaw University	India
18	IAHS25_ABS_R1662	Health Risk Assessment and Contaminant Monitoring of Groundwater in the Khetri Copper Mining Region	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Bhavya Swami	IIT Roorkee	India
19	IAHS25_ABS_G2541	Groundwater Quality Degradation from a Closed Landfill: The Persistent Threat of Antibiotic Resistance Genes.	ICGW	Forum Oral (1-minute flash presentation)	Mrs. Amala Jaison	college of engineering trivandrum	India
20	IAHS25_ABS_Y7252	MACHINE LEARNING-BASED PREDICTION OF GROUNDWATER SALINIZATION ACROSS INDIAN STATES	ICGW	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. Ankita Manekar	IIT Kharagpur	India
21	IAHS25_ABS_K3036	Integration of Machine Learning Approach with Hydro-Geochemistry for Groundwater Quality Assessment and Contamination Mapping in Kishangarh Rajasthan India	ICGW	Forum Oral (1-minute flash presentation)	Mr. Manish Kumar	Indian Institute of Technology (Indian School of Mines) Dhanbad	India
22	IAHS25_ABS_L5282	Geochemical and isotopic characterization of geothermal fluids in the West Coast Geothermal Province India	ICGW	Forum Oral (1-minute flash presentation)	Mr. Prasenjit Das	National Centre for Earth Science Studies	India
23	IAHS25_ABS_N3273	Characterization of Hydrogeological Attributes for Springsheds with Groundwater Aquifers using Hybrid Geospatial AHP-Fuzzy Logic Techniques	ICGW	Forum Oral (1-minute flash presentation)	Dr. ROMEJI NGANGBAM	National Institute of Technology Manipur Department of Civil Engineering	India