



## August 2023 Newsletter



### Publications:

- Jahangeer; **Yadav\*, B K**; Beegum, S (2023) Modeling of nitrate transport in the vadose zone by considering the mobile-immobile approach using sand tank experiment, **ASCE's** Journal of of Hazardous, Toxic, and Radioactive Waste. **Q2** (IF=0.415)
- Ravindra Kumar Singh, Satish Kumar, Srinivas Pasupuleti, Vasanta Govind Kumar Villuri, **Ankit Agarwal**; Evaluating evolutionary algorithms for simulating catchment response to river discharge. Journal of Water and Climate Change 2023; jwc2023083. doi: <https://doi.org/10.2166/wcc.2023.083>.
- **Tegegn Kassa Beyene, Ankit Agarwal, Manoj Kumar Jain, Brijesh K. Yadav**; Investigation of the propagation of meteorological to hydrological drought and water required to recover from drought over Ethiopian basins. Journal of Water and Climate Change 2023; jwc2023024. <https://doi.org/10.2166/wcc.2023.024>
- **Agarwal A**, Kuriqi A and Matthews J (2023) Editorial: Emerging talents in water science. Front. Water 5:1275554. doi: [10.3389/frwa.2023.1275554](https://doi.org/10.3389/frwa.2023.1275554)
- Tiwari, S., and **Yadav\*, B. K.** (2023). Role of hydrogeological factors on Aquifer Storage and Recovery (ASR) performance in saline groundwater regions. Journal of Water Resources Planning and Management (**ASCE**). Accepted (**IF=3.457**) **Q1**.

### Awards/Recognition:

- Prof. Ankit Agarwal, Department of Hydrology, has been awarded the 'IEI Young Engineers Award 2023-24' in Environmental Engineering. The award consists of a Plaque and a Certificate, which will be presented during the inaugural session of the 37th National Convention of Environmental Engineers held at Himachal Pradesh (Shimla) from October 26-27, 2023.
- Mr. Pankaj Ramji Dhote, PhD Scholar received Space4Sust mobility fund to work as visiting researcher at G-EAU, INRAE, Montpellier, France during August 07 to Nov 03, 2023.
- Mr. Pankaj Ramji Dhote, PhD Scholar selected as Secretary, International Commission of Remote Sensing (ICRS), IAHS for the term 2023-2017 after 2023 elections held during the IAHS Administrative Plenary on 12 July 2023 at IUGG 2023, Berlin, Germany.

### Invited talks:

- Prof Brijesh Kumar Yadav was invited as a Jury by the Espee Global School Roorkee to assess and witness the Science Exhibition of Secondary students of the school on Science Day organized on Saturday, 5 August, 2023
- Prof. Brijesh Kumar Yadav Visited Udaipur during August 11-13, 2023 as an Institute Nominee to resolve Ayad River issue under the purview of Hon'ble NGT, Government of India.
- Prof. Brijesh Kumar Yadav Visited to Hon'ble High Court of Sikkim, as the Chairman "Expert Committee on Ground Water (ECGW)" during August 27-29, 2023 to deal with the availability and scenario of ground water in the state of Sikkim.
- Dr. Pankaj Dey invited Concepts and Application of Flood Frequency Curve, Online Workshop on MATLAB Applications in Civil Engineering, Department of Civil Engineering, NIT Hamirpur.



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### Events:

- The Department of Hydrology, IIT Roorkee, is organizing a one-week workshop on #AI4Water - Advanced Data-driven and Artificial Intelligence Tools in Water Resources” from 20th to 26th August 2023, under the SERB Karyashala scheme. Prof. Ashutosh Sharma and Prof. Ankit Agarwal coordinated the workshop.
- Co-prepare organized the UDAN lecture by Prof. Sumit Sen Department of Hydrology on Analyzing Water Dynamics and Mitigating Hazards through the HILLTOP: “Himalayan Instrumentation Laboratory and Long-Term Hydrological Pathways Observatories” Friday, 25 August 2023.

