



February 2022 Newsletter



Publications

- Das, S., Jain, M. K., & Gupta, V. (2022). A step towards mapping rainfall erosivity for India using high-resolution GPM satellite rainfall products. *CATENA*, 212, 106067. DOI: 10.1016/j.catena.2022.106067
- Setti, S., Barik, K. K., Merz, B., **Agarwal, A.**, & Rathinasamy, M. (2022). Investigating the impact of calibration timescales on streamflow simulation, parameter sensitivity and model performance for Indian catchments. *Hydrological Sciences Journal*, DOI: 10.1080/02626667.2022.2036340
- **Yadav, B K**, Gupta, P K, (2022) Thermally Enhanced Bioremediation of NAPL polluted soil-water resources, MDPI Pollutants (Accepted)
- Mwabumba, M, **Yadav, B. K**, Rwiza, M J., Larbi, I, Twisa, S (2022) "Analysis of land use and land-cover pattern to monitor dynamics of Ngorongoro world heritage site (Tanzania) using hybrid cellular automata-Markov model" Current Research in Environmental Sustainability, doi.org/10.1016/j.crsust.2022.100126

Awards and Achievements

- Prof. Sumit Sen has been selected to serve on the WMO HydroHub Think Tank for the next couple of years. The role will be to actively support the implementation of WMO HydroHub's activities while identifying the capacity development needs of operational hydrometric monitoring agencies and engaging hydrometric communities around the world.
- Ms. Dani Rinyo M.Tech student has been awarded the ANSYS fellowship award. Congratulations!!

International Conferences

- Two-day Ecohydrology Symposium (EHS) was organized by the Department of Hydrology from 28th Feb - 1st Mar 2022 with the support of the Shastri Indo-Canadian Institute. <https://www.ehs2022.info/>
- Ashish Manoj J, Ravi Kumar Guntu, Ankit Agarwal: Disentangling soil moisture and precipitation coupling over India from a compound flood risk assessment perspective. Risk KAN workshop on Understanding and Modeling Complex Risks in Coupled Human-Environment Systems. 02/2022

Lectures Delivered

- Prof. Sumit Sen gave a keynote lecture on "Advances in the monitoring of forest hydrological processes" at the Forest Research Institute, Dehradun on 18th Feb. 2022.
- Prof. Ashutosh Sharma delivered an invited lecture on "Understanding the interactions between climate, water, and ecosystems" at the Society of Young Agriculture and Hydrology Scholars of India (SYAHI).