



## **Publications:**

- Tiwari, S., and Yadav\*, B. K. (2023). Assessment of managed aquifer recharge in saline confined aquifers for freshwater storage and improved recovery: A 3D tank study under various operational conditions, Journal of Contaminant Hydrology, 104267, ISSN 0169-7722, <https://doi.org/10.1016/j.jconhyd.2023.104267>.
- Ravi Kumar Guntu, and Ankit Agarwal 2023. Improving the predictability of compound dry and hot extremes through complexity science. Environmental Research Letters 18, 124048. <https://doi.org/10.1088/1748-9326/ad0c0c>
- Ajay Gupta, Manoj Kumar Jain\*, Rajendra Prasad Pandey, Vivek Gupta, and Aniruddha Saha (2023) "Evaluation of global precipitation products for meteorological drought assessment with respect to IMD station datasets over India", Atmospheric Research, Volume 297, 2024, 107104, ISSN 0169-8095, <https://doi.org/10.1016/j.atmosres.2023.107104>.

## **Award:**

- Mr. Ravi Kumar Guntu has been awarded the SYSTA-Sivapalan Young Scientist Travel Award to attend the international workshop STAHY 2023, 8-10 November in Boston, USA.
- Mr. Ravi Kumar Guntu received an International Conference grant from the SDG Nexus Network funded by DAAD to attend the Water Security and Climate Change Conference 2023, 21-23 November in Ecuador, South America.

## **Workshop:**

- Ravi Kumar Guntu, Bruno Merz, and Ankit Agarwal. Driving mechanisms and prediction of compound dry and hot extremes during the Indian summer monsoon. 13th International Workshop on Statistical Hydrology (STAHY 2023), Boston, USA, 08–10 Nov 2023.

## **Patent:**

- Title: A RAINFALL SIMULATOR FOR MOVING STORM CONDITION; Prof. Sumit Sen & Mr. Ravi Meena (M. Tech 2017-2019 Batch); Patent # 471419.

## **Training:**

- A Three-Day Training Was Conducted by Prof. Brijesh K Yadav And Prof. Sumit Sen on "Sediment Dynamics and Springshed Hydrology in Jhum Cultivated Landscapes of Mizoram" Aizawl For Employees of The Iwrdr Mizoram During Nov 20- Dec 01, 2023.



## **Miscellaneous**

- Congratulations to Ravikumar Guntu for his successful Ph.D. thesis defense on 23rd November 2023 under the supervision of Prof. Ankit Agarwal. His thesis is entitled 'Investigation of Characteristics, Drivers, and Predictability of Compound Dry and Hot Extremes'.
- Congratulations to Tegegn Kassa Beyene for his successful Ph.D. thesis defense on 23rd November 2023 under the supervision of Prof. Manoj Jain, Prof. Brijesh K. Yadav, and Prof. Ankit Agarwal. His thesis is entitled 'Hydrological Drought Propagation and Vulnerability in Ethiopia'.