

November 2021

Publications

Khanzada, N.K., **Deka, B. J.**, et al. (2022). Elucidating the role of graphene oxide layers in enhancing N-Nitrosodimethylamine (NDMA) rejection and anti-biofouling property of RO membrane simultaneously, *Journal of Membrane Science*, 643, 120043, <https://doi.org/10.1016/j.memsci.2021.120043> (Q1, Impact factor: 8.742)

Karisma Yumnam., Ravi Kumar Guntu., Maheswaran Rathinasamy., Ankit Agarwal., 2021. Quantile-based Bayesian Model Averaging approach towards merging of precipitation products. *Journal of Hydrology* 127206. <https://doi.org/10.1016/j.jhydrol.2021.127206>

Pavan Kumar Yeditha, **Tarun Pant,** Maheswaran Rathinasamy, **Ankit Agarwal;** Multi-scale investigation on streamflow temporal variability and its connection to global climate indices for unregulated rivers in India. *Journal of Water and Climate Change* 2021; jwc2021189. DOI: <https://doi.org/10.2166/wcc.2021.189>

Pavan Kumar Yeditha, Maheswaran Rathinasamy, Sai Sumanth Neelamsetty, Biswa Bhattacharya, **Ankit Agarwal;** Investigation of satellite rainfall-driven rainfall-runoff model using deep learning approaches in two different catchments in India. *Journal of Hydroinformatics* 2021; jh2021067. DOI: <https://doi.org/10.2166/hydro.2021.067>

Nominations

Dr. Bhaskar Jyoti Deka has been nominated as Co-opted Member, Board of Studies in B.E. Civil Engineering Department, Gogte Institute of Technology, Belagavi - 590008, Karnataka, India

Lectures Delivered

Prof. Ankit Agarwal delivered an invited lecture on the topic "Multi-scale approaches in forecasting extreme floods and their global connections" during the Oxford Hydrology seminar series at the School of Geography and the Environment, University of Oxford.

Prof. Brijesh Kumar Yadav delivered a talk on "Engineered Bioremediation of Polluted Land and Groundwater Sites" on November 17, 2021, during the Industrial Training Webinar on Future Mitigation & Adaptation Measures for Flood Resilience, Organised by the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, in collaboration with Amity University Lucknow.

Prof. Ashutosh Sharma delivered a guest lecture on the topic "Analyzing Hydrological Impacts of Climate Change: Working with Climate Model data" during an online training program on "Fluvial Disasters and Strategies in Risk Reduction" at IIT Jammu on 28 October 2021.

Awards and Achievements

Stuti Shah (Ph.D. Scholar), has received the prestigious Berkner Travel Fellowship to attend AGU 2021. It is a prestigious fellowship by AGU that fully funds all the expenses

involved in attending the AGU conference. This year, it has been awarded to a total of 14 people around the world