



November 2022 Newsletter



Publications

- Nganda, A., Kumar, M., Uday, V., Srivastava, P., **Deka, B. J.**, Zitouni, F., Mahlknecht, J. (2022). EI/IOT of PFCs: Environmental Impacts/Interactions, Occurrences, and Toxicities of Perfluorochemicals, Environmental Research, <https://doi.org/10.1016/j.envres.2022.114707>.
- Lo, J. S. C., Daoud, W., Tso, C. Y., Lee, H. H., Firdous, I., **Deka, B. J.**, Lin, C. S. K. (2022), Optimization of Polylactic acid-based Medical Textiles via Electrospinning for Healthcare Apparel and Personal Protective Equipment, Sustainable Chemistry and Pharmacy, 30, 100891, <https://doi.org/10.1016/j.scp.2022.100891>
- **Bejagam, V., and Sharma, A.** (2022) "Remote sensing-based multi-scale characterization of ecohydrological indicators (EHIs) in India." Ecological Engineering, 106841 (<https://doi.org/10.1016/j.ecoleng.2022.106841>).
- Setti S, **Yunnam K, Rathinasamy M, Agarwal A.** 2022. Assessment of satellite precipitation products at different time scales over a cyclone prone coastal river basin in India. *Journal of Water and Climate Change*, jwc2022166. <https://doi.org/10.2166/wcc.2022.166>
- Krishan, G, Kumar, M, Rao, M S, Garg, Rahul, **Yadav, B K**, Kansal, M L, Singh, S, Bradley, A, Muste, M, Sharma, L M (2023). Integrated approach for the investigation of groundwater quality through hydrochemistry and water quality index (WQI). *Urban Climate*, Vol. 47, 101383, <https://doi.org/10.1016/j.uclim.2022.101383>
- Krishan, G., Bhagwat, A., Sejwal, P., **Yadav B., K.**, et al. (2022) Assessment of groundwater salinity using principal component analysis (PCA): a case study from Mewat (Nuh), Haryana, India. *Environ Monit Assess* 195, 37 (2023). <https://doi.org/10.1007/s10661-022-10555-1>

Invited talk

- Prof Brijesh K Yadav delivered a conference talk on “Fate and Transport of Groundwater Contaminants and Associated Monitoring Aspects” on Nov 22, 2022 during the training program on "Advanced tools and techniques for Managed Aquifer Recharge (ATT-MAR)" sponsored by Asia Pacific Network for Global Change Research (APN), organized by WRDM IIT Roorkee and NIH Roorkee during.

Awards and Achievements

- Prof. Ankit Agarwal, Department of Hydrology, has been awarded the 2023 *Division Outstanding Early Career Scientist Awards* of the European Geosciences Union (EGU). The 2023 *Division Outstanding Early Career Scientist Awards* will be conferred to him during the [EGU General Assembly 2023](#), which will be held from 23–28 April in Vienna, Austria.
- **Dhamija, S. and Joshi, H.** “Groundwater Vulnerability to Arsenic Contamination – A review of assessment methods,” 9th International Groundwater Conference (IGWC-2022) on “Effective Management of (Sub)-Surface Water Resources in Arid and Semi-Arid Regions” during Nov. 2-4, 2022 at IIT Roorkee, Uttarakhand.



Miscellaneous

- On the occasion of the 09th International Groundwater Conference 2022 on Effective management of (sub) Surface water resources in arid and semi-arid regions, a 2-day pre-conference workshop on “Groundwater modelling using FEFLOW” is being jointly organized by the Department of Hydrology, IIT Roorkee and DHI (India) during 31 October – 1st November 2022.
- The Department of Hydrology organized the 9th edition of the International Groundwater Conference (IGWC 2022), IIT Roorkee, during November 02-04, 2022. Prof. Brijesh K Yadav coordinated the IGWC 2022 conference.
- The Department of Hydrology organized an Expert Lecture on “Water Infrastructure Asset Management” on 5th November 2022.
- Department of Hydrology organized a 3-days (28-30 November 2022) training program on "Emerging Technologies for Water/wastewater Treatment” under the support of Indian Technical and Economic Cooperation (ITEC), Ministry of External Affairs, Govt. of India. The event was coordinated by Prof. Himanshu Joshi and Prof. Bhaskar Jyoti Deka.







Webex Meeting Info | Meeting Info | Show Menu Bar | 01:06:25

Ashutosh Sharma (Me) | APURBA SHARMA | Bhaskar Jyoti Deka (Host) | Himanshu Joshi | Chhaviwan Votrag | Jacob Guo | myshu Hlay | Srang Srinov

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IIT Roorkee : Few Facts ...

Students@IITR (Total: 9818)

UG, 5254, 53%
PhD, 2899, 30%
Masters, 1665, 17%

Offers:
 UG Programs : 18
 Masters Programs : 58
 PhD : In ALL Areas

Faculty Members : > 525

IIT Roorkee Structure:
 23 Departments | 6 Academic Centres | 3 Campuses (RKE, SRE & GN)

Engineering: Civil Engg, Hydrology, Hydro & Renewable Energy, WRDM, Deals with Water!

Sciences: Hydraulic Engg, Hydrology Dam Safety & Rehabilitation, Renewable & Hydro Energy Environ. Mgmt of Rivers & Lakes

Design & Architecture: Irigation Water Management, Drinking Water & Sanitation, Water Resources Development

Humanities, Soc. Sc & Management: Masters Programs

Expertise in: Water quality modelling, Water and wastewater treatment, Membrane technology, Membrane distillation, Desalination, Hydroclimatology, Ground water modeling etc.

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