

October 2020

Publications

Mulugeta Musie, Sumit Sen and Puneet Srivastava. 2020. Application of CORDEX-
AFRICA and NEX-GDDP datasets for hydrologic projections under climate change in Lake
Ziway subbasin, Ethiopia. *Journal of Hydrology: Regional Studies*.
<https://doi.org/10.1016/j.ejrh.2020.100721>

Vikram Kumar and Santosh Paramanik. 2020. Application of high-frequency spring
discharge data: a case study of Mathamali spring rejuvenation in Garhwal Himalaya. *Water
Supply*. <https://doi.org/10.2166/ws.2020.223>

Vikram Kumar, Sumit Sen, and Pankaj Chauhan. 2020. Geo-morphometric prioritization of
Aglar micro watershed in Lesser Himalaya using GIS approach. *Modelling Earth Systems
and Environment*. <https://doi.org/10.1007/s40808-020-01000-8>

Chowdhury, B., Goel, N.K. & Arora, M. Evaluation and ranking of different gridded
precipitation datasets for Satluj River basin using compromise programming and f-TOPSIS.
Theor Appl Climatol (2020). <https://doi.org/10.1007/s00704-020-03405-y>

Deka, B. J., Guo, J., Wong, P. W., Khanzada, N.K., Kharraz, J. & An, A. K. (2020) "A
conductive hydrophobic polyaniline sandwiched PVDF membrane for early detection of
surfactant induced wetting in membrane distillation using impedance", *ACS Applied Nano
Materials* (2020).

Sushkova, S., Minkina, T., Tarigholizadeh, S., Rajput, V., Fedorenko, A., Dudnikova,
T., Mandzhieva, S., Nazarenko, O., Antonenko, E., Chernikova, N, Yadav, B. K., Batukaev,
A (2020) Soil PAHs contamination effect on the cellular and subcellular organelle changes
of *Phragmites australis* Cav., *Environmental Geochemistry and Health*, 42, 2485–2494. (IF
3.662) Q1

Project

Project: Lidar based non-contact hydrometry for Mountainous Terrain

Funded under WMO HydroHub 2nd Innovation Call

PI: Prof. Sumit Sen

Co-PIs: 1) Prof. Manoj K. Jain, IIT Roorkee

2) Prof. Wouter Buytaert, Imperial College and Riverlabs, UK

3) Prof. David Hannah and Dr. Kieran Khamis, University of Birmingham, UK

4) Central Water Commission, India

Notes

Prof. Bhaskar Jyoti Deka has joined the Department of Hydrology.

https://iitr.ac.in/departments/HY/pages/People+Faculty+Bhaskar_Jyoti_Deka.html

Save the date and time for the COPREPARE online kick-off meeting on 9th November 2020
at 13.30-16.30.