

## Special Issue

# Advances in Land Surface Hydrological Processes

### Message from the Guest Editors

The availability and distribution of water resources in different forms and their exchanges through the land surface and atmosphere is the most critical factor for habitability on any planet. The land surface, subsurface and the atmosphere are the principal components for water exchange through vertical and horizontal mass fluxes.

Through this special issue we invite the contributions from researchers working in planetary land surface hydrology. The contributions may involve advancement in the use of remotely sensed data, development and application of hydrological models and use of in situ observed data for reconstruction of past and future hydrological processes. We strongly encourage the researchers working in the hydrology of snow, glaciers and permafrost to submit their work in this topical collection. The contributions related to water exchange between land surface and atmosphere over large spatiotemporal range are equally encouraged to be submitted.

We look forward to your excellent contributions!

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### Guest Editors

Dr. Shaktiman Singh

Dr. Anshuman Bhardwaj

Dr. Lydia Sam

Dr. Javier Martin-Torres

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### Deadline for manuscript submissions

closed (31 August 2022)



## Hydrology

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## About the Journal

### Message from the Editor-in-Chief

*Hydrology* is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

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### Editor-in-Chief

Prof. Dr. Ezio Todini  
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### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, GeoRef, and other databases.

#### Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1  
(Oceanography)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.7 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).