

Special Issue

The Application of Remote Sensing in Hydrology

Message from the Guest Editor

Papers focusing on the exploitation of Remote Sensing data in the context of soil moisture, surface water extent and floods monitoring, water level monitoring, snow cover monitoring, hydrological fluxes monitoring and modelling (rainfall, runoff, evapotranspiration, interception), improving water balance calculation, investigation of ecohydrological processes, hydromorphology assessment, hydrological catchment models parametrisation with applications to catchments, rivers and lakes are very welcome. However, other sources of Remote Sensing data are also accepted (such as satellite-based multispectral or radar information).

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2022)



Hydrology

an Open Access Journal
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Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/48820

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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.

Editor-in-Chief

Prof. Dr. Ezio Todini

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.9 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).