

Special Issue

Advances in Flood Early Warning: Ensemble Forecast, Information Dissemination and Decision-Support Systems

Message from the Guest Editors

This Special Issue aims to collect the latest methodological developments and applications in the field of flood early warning. Potential topics include, but are not limited to, the following:

- Flood dynamics, mechanisms and processes
- Development of methods for flood early warning, especially in ungauged basins
- Improvement of flood forecasting and information dissemination using various information sources
- New methods/techniques for flood risk analysis, vulnerability analysis and evacuation behavior
- Empirical analysis of flood warnings and flood-mitigation practices during real-world flood events

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2020)



Hydrology

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Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/21272

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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

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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).