

Special Issue

Runoff Modelling under Climate Change

Message from the Guest Editors

Runoff modeling under climate change involves predicting changes in the amount and timing of water flows in watersheds due to the impacts of climate change. It plays a crucial role in water resource management, flood forecasting, agricultural management, and the assessment of potential impacts on ecosystems and human populations. The goal of this Special Issue is to collect papers (original research articles and review papers) which provide insights on this topic. This Special Issue will welcome manuscripts that link the following themes: Data collection; Climate change scenarios; Hydrological model selection; Model calibration; Climate change impact assessment; Uncertainty analysis; Model validation; Impact assessment; Communicating results.

Guest Editors

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Deadline for manuscript submissions

31 August 2025



Hydrology

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



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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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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).