Special Issue

Climate Change and Human-Induced Changes on Hydrological and Fluvial Process

Message from the Guest Editors

A large number of rivers worldwide are being hydromorphologically altered by climate- and human-induced changes. Additionally, climate-change- and human-induced changes are driving an increase in extreme events. This leads to greater occurrences of water hazard events such as droughts and floods. Due to the increase in large hydropower dams planned across the world, most of the river basins will be severely regulated. Rivers will adjust to disturbances in a very complex way. This Special Issue aims to offer an appropriate avenue for discussing and disseminating recent developments in hydrological and fluvial processes, coming from students, researchers, and professionals working in careers linked to water. For this Special Issue, papers reporting theoretical, field, laboratory, and numerical investigations on hydrological and fluvial processes are welcome. Authors are encouraged to submit their manuscripts related to the following topics:

- Hydrological processes;
- Water related hazards under the global climate change;
- Fluvial processes;
- Human impacts on fluvial system;
- Risk mitigation.

Guest Editors

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Deadline for manuscript submissions

closed (29 February 2024)

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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).