Special Issue

Urban Hydrology and Hydroclimate Resilience for Climate Change Adaptation

Message from the Guest Editors

Urban hydrological systems are undergoing unprecedented stress due to the dual pressures of climate change and rapid urbanization. The goal of this Special Issue is to present papers (original research articles and review papers) that give comprehensive insights into urban hydro-system modelling and urban resilience, exploring how cities and communities respond to climate change, and how these responses align with the Sustainable Development Goals. This Special Issue will welcome manuscripts that link the following themes:

- Modelling of urban flood processes;
- Climate adaptation in urban water systems;
- Risk mapping and early warning systems;
- Urban resilience quantification and optimization;
- Systems-based approaches to multi-hazard risk reduction;
- Real-time flood modelling and risk management;
- AI-based hydroinformatics modelling;
- Adaptive resilience of infrastructure for climate change adaptation.

We look forward to receiving your original research articles and reviews.

Guest Editors

Dr. Qijie Li
Prof. Dr. Reinhard Hinkelmann
Prof. Dr. Dongfang Liang

Deadline for manuscript submissions

30 November 2026

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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 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).