

Special Issue

Advances in Urban Hydrology and Stormwater Management

Message from the Guest Editors

With the global growing population and urbanization, the expansion of our growth centers is sometimes unplanned or uncontrolled. The effects of these urban developments on hydrology and stormwater management are significant enough not to be ignored.

The goal of this Special Issue is to collect papers (original research articles and review papers) to provide insights into innovative research and developments on urban hydrology and stormwater management. This Special Issue will welcome manuscripts that link the following themes:

- Urban hydrology;
- Urban drainage system modeling;
- Sustainable urban drainage system;
- Green infrastructure and flood mitigation;
- Best practice guidelines on flood estimation and climate change;
- Approaches to modeling change;
- Innovative technologies on drainage systems and flood management;
- Data analytics applications for drainage systems and flood management;
- GIS applications for drainage systems and flood management;
- Drainage basins and runoff calculations and methodologies;
- Hydrologic design for water excess management.

Guest Editors

Dr. Shirley Gato-Trinidad
Prof. Dr. Upaka Rathnayake
Dr. Kuok King Kuok

Deadline for manuscript submissions

closed (30 November 2025)



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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).

