

Special Issue

Urban Hydrology and Urban Water Works under Rapid Urbanisation and Climate Change Conditions in Metropolitan Areas and Mega Cities

Message from the Guest Editor

The main aim of this Special Issue is to focus on advanced approaches regarding the integrated management of the entire freshwater supply chain in metropolitan areas and mega cities under rapid urbanization and climate change conditions. The focus is twofold as it has to do with both the quantity and the quality of the freshwater supplied. Urban water work design, efficiency monitoring, performance assessment techniques and protocols, optimization, and upgrading are also included as the water supply chain is considered as a whole, starting from the water abstraction point, up until the customers' taps. IoT and big data analysis techniques are essential in order for public participation to be guaranteed.

Guest Editor

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Deadline for manuscript submissions

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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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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).