Special Issue

Water Resources Management Under Uncertainty and Climate Change (Second Edition)

Message from the Guest Editors

Hydrological processes are inherently uncertain for various reasons; Climate change is another significant factor that increases the uncertainty of hydrological processes. Some of the direct impacts of climate change include water resource availability, land degradation, water pollution, flood risk and land use. Indirect impacts include land management, population, and economic and social development. Sustainable water resource management incorporates environmental, economic, and social factors. This makes water resource management a real challenge for hydrologists because of the interconnections between these factors and the uncertainty involved. Suggested themes and article types for submissions include:

- New methods of modelling uncertainty in hydrological processes.
- Water resource management considering climate change.
- Impact of uncertainty and climate change on water quality.
- Using artificial intelligence tools to cope with uncertainty in hydrology.
- Applications of Artificial Intelligence Tools in Water Resources Monitoring, Modelling, and Management

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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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Author Benefits

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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).