

# Special Issue

## Advances in River Monitoring

### Message from the Guest Editors

Despite huge advances made by technology, river monitoring is still a challenge for hydrologists and environmental agencies. This issue is becoming even more critical in the present century alongside the increasing number of extreme events that many countries are experiencing. The aim of the present Special Issue is to promote the identification of the most innovative new solutions for river monitoring that can be used to increase our knowledge on water availability and control extreme events. In particular, contributions should aim to address the following topics:

- The use of remote-sensing approaches for hydrological, hydraulic and morphological monitoring;
- Innovative methodologies for measuring/modelling/estimating stream flow;
- New methods or technologies to cope with data-scarce environments;
- Use of camera systems for river monitoring;
- Inter-comparison of innovative and classical models and approaches;
- Monitoring of water quality and quantity;
- Biomonitoring and bioindicators used for river ecosystems.

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### Guest Editors

Dr. Salvatore Manfreda

Dr. Domenico Miglino

Dr. Alonso Pizarro

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### Deadline for manuscript submissions

closed (15 November 2023)



# Hydrology

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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.

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### Editor-in-Chief

Prof. Dr. Ezio Todini

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Bologna, Italy

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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).