

## Special Issue

# Urban Flood Mitigation and Stormwater Management

### Message from the Guest Editor

To manage the flood hazard and design adequate mitigation strategies, it is necessary to better understand the rain–urban system at different levels: the precipitation dynamics at high space–time resolution; the runoff generation processes on several different types of surfaces that create complex, often unpredictable, preferential flow paths; the drainage and disposal of stormwater, and its harmful impact on the quality of the receiving water bodies. This Special Issue seeks contributions that face these issues by proposing innovative measurement techniques, including remote sensing, or novel physical or statistical modeling tools to represent the precipitation field or the runoff/drainage system. They can support, through methodological or data-driven applications, the design and testing of new mitigation actions, or demonstrate the reliability of existing measures to reduce damages and pollution. This Special Issue welcomes original papers, review articles, case studies, and planning experiences that address one or more of the mentioned challenges, and that foster the reproducibility of best practices and knowledge transfer to other sites or at different scales.

---

### Guest Editor

Dr. Daniele Ganora

Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture, Politecnico di Torino, Corso Duca degli Abruzzi, 24, 10129 Torino, Italy

---

### Deadline for manuscript submissions

closed (27 July 2022)



## Hydrology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



[mdpi.com/si/90693](https://mdpi.com/si/90693)

*Hydrology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[hydrology@mdpi.com](mailto:hydrology@mdpi.com)

[mdpi.com/journal/  
hydrology](https://mdpi.com/journal/hydrology)





# Hydrology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



[mdpi.com/journal/  
hydrology](https://mdpi.com/journal/hydrology)



## 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

Italian Hydrological Society, Piazza di Porta San Donato 1, 40126  
Bologna, Italy

---

### 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).