

## Special Issue

# Geographic Information Systems (GIS) Techniques and Applications for Sustainable Water Resources Management in Agriculture

### Message from the Guest Editors

This Special Issue highlights how GIS empowers hydrologists and water managers to address complex water resource issues in agriculture. By harnessing the power of spatial data analysis, stakeholders can ensure the sustainable use of water resources, promote crop productivity, and safeguard the future of agriculture in a water-scarce world. Papers proposing innovative GIS techniques used to address the aforementioned topics and articles dealing with the application of GIS techniques to specific case studies are welcome.

### Guest Editors

Dr. Iolanda Borzi  
Dr. Beatrice Monteleone  
Prof. Dr. Hailong Yin

### Deadline for manuscript submissions

closed (22 November 2025)



## Hydrology

an Open Access Journal  
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Impact Factor 3.2  
CiteScore 5.9



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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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### 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).