

Special Issue

Advances in Evaporation and Evaporative Demand

Message from the Guest Editors

The objective of this Special Issue is to define and discuss several ET terms, including potential, reference, and actual (crop) ET, and present a wide spectrum of innovative research papers and case studies. We, therefore, encourage researchers and experts to present their innovative contributions in the following areas:

- New techniques for estimating evapotranspiration and comparative analysis of different evapotranspiration models
- New methodologies for estimating evapotranspiration and evaporation in temporal time scales from hourly to monthly
- Global and local calibration of parsimonious PET model in data scarce areas using limited climate data
- Advanced techniques for quantifying evapotranspiration spatial variability
- Calibration of large-scale hydrological model using evapotranspiration spatial products
- Micrometeorological evapotranspiration modeling focusing on smart farming
- Modeling Evapotranspiration for precision irrigation purposes
- Weather forecasting model associated with the hydrological modelling and optimal irrigation scheduling
- Remote Sensing application for evapotranspiration assessment
- ...

Guest Editors

Dr. Aristoteles Tegos

1. Laboratory of Hydrology and Water Resources Development, School of Civil Engineering, National Technical University of Athens, Heroon Polytechniou 9, 157 80 Zographou, Greece
2. Ryan Hanley Ltd. Ireland, 170/173 Ivy Exchange, Granby Pl, Parnell Square W, D01 N938 Dublin, Ireland

Dr. Nikolaos Malamos

Department of Agriculture, University of Patras, 27200 Amaliada, Greece

Deadline for manuscript submissions

closed (31 January 2022)



Hydrology

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/69409

Hydrology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 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).