

# Special Issue

## Soil Water Balance

### Message from the Guest Editors

Soil water balance refers to methodologies applied to assess the amount of water held within a system, from soil column to catchment scale, at any given time. The major outcome is the knowledge of the temporal and spatial pattern of soil moisture, which is in turn one of the major control on many hydrological, agricultural, environmental, geomorphological processes. This special issue is aimed at the collection of up-to-date contributions that by methodological proposals, case studies and mathematical modelling are furthermore able to stress how human activities, land use and land cover changes and climate changes, affect the mentioned processes. Guest editors look forward manuscripts in the following focus areas (but not limited to): - Soil water content measurements - Soil water balance and climate dynamics - Soil water balance and evapotranspiration - Soil water balance for improving water use efficiency in agricultural application - Soil water balance for groundwater recharge - Soil water balance for soil erosion and other geomorphological hazards

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### Guest Editors

Dr. Antonia Longobardi  
Prof. Dr. Domenico Guida  
Dr. Mohamed Meddi

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### Deadline for manuscript submissions

closed (30 June 2021)



## 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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### 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).