



*water*

an Open Access Journal by MDPI



## Soil Hydrology in Agriculture

Guest Editors:

**Dr. Angelo Basile**

Italian National Research Council  
(CNR) - Institute for  
Mediterranean Agriculture and  
Forest Systems (ISAFOM)

**Prof. Antonio Coppola**

School of Agricultural, Forestry,  
Food and Environmental  
Sciences (SAFE), Hydraulics  
Division, University of Basilicata,  
Potenza, Italy

Deadline for manuscript  
submissions:

**closed (1 April 2019)**

### Message from the Guest Editors

The Special Issue encourages submissions on the interaction of soil hydrology and agriculture in seeking effective management of water and nutrients. We welcome contributions integrating monitoring and modeling components at applicative scales, from field to district scales. The Special Issue will deal with the following major topics: 1. Soil hydrology, water uptake and crop response; 2. Soil hydrology and irrigation management from field to district scale; 3. Soil hydrology and nutrient management.

Specific topics will include (not exhaustively): (1) Monitoring and modeling of the interactions between soil hydrological, plant and atmosphere processes, and agricultural management practices; (2) Soil hydrology for irrigation and fertilizer management, including non-conventional water resources; (3) Soil hydrology and soil tillage; (4) Monitoring and modeling root growth and uptake of water and nutrients; (5) The role of soil hydrology in scheduling irrigation at district scale, under conditions of spatially variable soils; (6) Site-specific management related to spatially variable soil hydrological behavior; (7) Carbon, nitrogen and phosphate dynamics in agricultural soils.



[mdpi.com/si/14124](https://mdpi.com/si/14124)

# Special Issue



*water*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Dr. Jean-Luc PROBST**

ECOLAB, Centre National de la  
Recherche Scientifique (CNRS),  
University of Toulouse, campus  
ENSAT, Auzeville Tolosane,  
France

## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

## Contact Us

---

Water Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/water](https://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)