



## Crop Evapotranspiration, Crop Irrigation and Water Savings

Guest Editors:

**Prof. Dr. Luis Santos Pereira**

Research Center on Landscape, Environment, Agriculture and Food (LEAF), School of Agriculture (ISA), University of Lisbon, 1649-004 Lisbon, Portugal

**Dr. Paula Paredes**

Research Center on Landscape, Environment, Agriculture and Food (LEAF), School of Agriculture (ISA), University of Lisbon, Lisbon, Portugal

Deadline for manuscript submissions:

**31 December 2024**

### Message from the Guest Editors

This Special Issue encourages the submission of review and applied research articles that contribute to the accurate measurement and estimation of crop evapotranspiration and transpiration applied to a variety of vegetable and field crops, trees and vines and natural and man-made landscapes.

### Keywords

- the use of FAO crop coefficients and transpiration coefficients
- evapotranspiration, aerodynamic and bulk canopy resistance
- evapotranspiration, irrigation scheduling and water saving
- tree evapotranspiration
- traditional and under-utilized vegetable crops
- remote sensing and irrigation scheduling
- crop management for controlling ET and yield
- precision irrigation
- irrigation scheduling using crop coefficients from fraction of ground cover and height
- use of model tools





*water*



an Open Access Journal by MDPI

## Editor-in-Chief

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

Laboratory of Functional Ecology and Environment, 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, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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