



*water*

an Open Access Journal by MDPI



## Recent Advances and Innovations in Drip Irrigation Systems

Guest Editors:

**Dr. Tahir Muhammad**

College of Hydrology and Water Resources, Hohai University, Nanjing 210098, China

**Dr. Yang Xiao**

College of Water Resources and Civil Engineering, China Agricultural University, Beijing 100083, China

Deadline for manuscript submissions:

**25 July 2024**

### Message from the Guest Editors

Dear Colleagues,

One of the greatest current challenges to the development of sustainable agriculture is in meeting the food needs of a global growing population while preserving minimum impacts on water shortage, land and environmental degradation. Moreover, water scarcity has become key obstacle threatening world food security, and sustainable social development around the world. Consequently, the shortages of water resources have accentuated our reliance on low-quality irrigation waters (brackish water, saline water, reclaimed water), which can be effectively utilized to address the irrigation water demands.

This Special Issue of *Water* intends to collect some of the latest research advancement and innovations in drip irrigation systems for effective management and sustainable utilization of low-quality irrigation waters in drip irrigation systems in order to alleviate the contradiction between supply and demand of agricultural water resources, ensure agricultural soil protection, crop yield and quality, and enhance the farmers' enthusiasm for drip irrigation technology.

For more details, please find at:

[https://www.mdpi.com/journal/water/special\\_issues/449LHQ1955](https://www.mdpi.com/journal/water/special_issues/449LHQ1955)



[mdpi.com/si/167138](https://www.mdpi.com/si/167138)

**Special** issue



*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/X@Water_MDPI)