

Special Issue

Improved Irrigation Management Practices in Crop Production

Message from the Guest Editors

Agricultural production is challenged by water scarcity and food security due to the uprising problems of climate change and environmental pollution. Therefore, it is essential to increase agricultural production under varying climate conditions. Thus, adopting agricultural production systems to variations in agro-ecological conditions is of increasing interest. Irrigation is described by the quantity of water required to supply the soil for a crop. However, due to recent limitations on freshwater resources, crop production systems need to implement innovative irrigation tactics to decrease water consumption without reducing the yield, enhancing crops' water productivity. Therefore, understanding the water productivity responses of the crop to the varying agro-ecological conditions is critical to identify the appropriate water submission for crop production. Thus, recent research has shed light on improving the water productivity of crops under various irrigation systems. [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/A76619KFS8

Guest Editors

Dr. Yousef Alhaj Hamoud

Dr. Hiba Shaghaleh

Dr. Tingting Chang

Dr. Fei Gao

Deadline for manuscript submissions

closed (20 September 2024)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/si/140305](https://www.mdpi.com/si/140305)

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

[mdpi.com/journal/
water](https://www.mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://mdpi.com/journal/water)



About the Journal

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.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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 (Aquatic Science)