

Special Issue

Efficient Utilization and Conservation of Agricultural Water and Soil Resources

Message from the Guest Editors

It is necessary to develop solutions for efficient utilization of agriculture water resources to improve crop water productivity. One such approach is to apply deficit irrigation and regulated deficit irrigation for better utilization of limited agriculture water resources. The proposed Special Issue will investigate how water productivity may be improved under different climate conditions and address the general objective of efficient utilization of agricultural water resources for climate change adaptation/mitigation and resource use efficiency. The specific objectives are: (1) To formulate deficit irrigation strategies for improved water productivity. (2) To evaluate the combination of deficit irrigation and fertilizer treatment to improve the agriculture water productivity under limited water availability. (3) To expand the results to different soil types and climatic conditions using a crop growth modeling approach. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/94RC8N5GH6

Guest Editors

Dr. Qaisar Saddique

College of Water Resources and Architectural Engineering, Northwest A&F University, Yangling, China

Dr. Ali Ajaz

Texas Water Resources Institute, College Station, TX, USA

Dr. Yufeng Zou

Institute of Water Saving Agriculture in Arid Areas of China, Northwest A&F University, Yangling, China

Deadline for manuscript submissions

closed (20 September 2023)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/si/137254](https://www.mdpi.com/si/137254)

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)