



water

an Open Access Journal by MDPI



Water and Crops

Guest Editors:

Prof. Dr. Xiukang Wang

College of Life Sciences, Yan'an University, Yan'an 716000, Shaanxi, China

Prof. Dr. Guang Yang

1. College of Water and Architectural Engineering, Shihezi University, Shihezi 832000, China
2. Key Laboratory of Cold and Arid Regions Eco-Hydraulic Engineering of Xinjiang Production & Construction Corps, Shihezi 832000, China

Deadline for manuscript submissions:

closed (31 March 2023)

Message from the Guest Editors

Arid and semi-arid areas are short of fresh water resources. In order to obtain a certain total crop yield, some low-quality water, such as muddy water, urban sewage and industrial wastewater, brackish water and irrigation return water, should be used for irrigation. In addition, the stratified irrigation technology of reservoir and rainwater collection technology in hilly area are effective means to make full use of precipitation and bring the limited water resources into play to increase production. The comprehensive utilization of agricultural water resources, it is from the perspective of the whole, the whole process from crops irrigation during whole growth period, the reasonable treatment of a variety of different water sources such as surface water, precipitation, ground water and brackish water, urban sewage and industrial waste water to make the best use of, in order to give full play to the role of the existing water resources in the benefits.



mdpi.com/si/94079

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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