water

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 5.8

Technologies of Water-Saving Irrigation

Guest Editors:

Prof. Dr. Junzeng Xu
College of Agricultural Sciences and Engineering, Hohai University, Nanjing, China

Prof. Dr. Zheng Wei
China Institute of Water Resources and Hydropower Research, Beijing, China

Dr. Xiaoyin Liu
College of Agricultural Sciences and Engineering, Hohai University, Nanjing, China

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Water scarcity is a global issue, which is estimated be growing increasingly worse due to the decreased water availability caused by climate change. Agricultural applications comprise more than 60% of global water consumption; this proportion is occasionally more than 90% in some of the least-developed countries and developing countries. To cope with water scarcity and to ensure secure water access for the global population, improving agricultural water-use efficiency is crucial. ICID has “enable higher crop productivity with less water and energy” listed as the goal of the committee, with “Implementing Water Saving Techniques and Technologies” as one of their strategies. With the development of agricultural production, new irrigation techniques should be developed to meet different requirements, including those of open fields, greenhouses, plant factories, and hydroponics. Additionally, with the development of applicable materials, there is potential for new equipment which can supply water more precisely and scientifically. Meanwhile, with the development of information techniques, smart irrigation technologies.....

water

IMPACT FACTOR 3.0

CITESCORE 5.8

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

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI