



water

an Open Access Journal by MDPI



Research and Application of Water Saving-Related Irrigation Theory or Technology

Guest Editors:

Dr. Shouzheng Jiang

College of Water Resource &
Hydropower, Sichuan University,
Chengdu, China

Dr. Jing Zheng

Institute of Mountain Hazards
and Environment, Chinese
Academy of Sciences, Chengdu,
China

Deadline for manuscript
submissions:

closed (25 November 2023)

Message from the Guest Editors

Dear Colleagues,

With global and regional climate change, the original atmospheric circulation model, the thermodynamic process of the hydrological cycle, and the space-time process of precipitation and evapotranspiration are significantly influenced, thus further affecting human utilization of water resources. Furthermore, the continuous growth of the population and the rapid development of industry and agriculture have also exacerbated the shortage of water resources. Irrigated agriculture, as one of the main water-consuming sectors, is not only responsible for global food security but faces the challenge of substantial water savings. Over the past 20 years, scientists have conducted a substantial amount of research on the impact of water-saving irrigation on crop production. However, there is still a lack of systematic understanding of the impact of new water-saving irrigation equipment, technologies, mechanisms, and management models on improving agricultural water use efficiency.

[...]

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

https://www.mdpi.com/journal/water/special_issues/B4VZP1UUO9



[mdpi.com/si/172436](https://www.mdpi.com/si/172436)

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)