Special Issue

Agricultural Water Saving: Advanced Technologies for Water Resources Efficient Utilization

Message from the Guest Editor

Irrigation is critical for agricultural production. Climate change increases the uncertainty concerning available water resources. Therefore, water should be used much efficiently by producing more food with each drop of water to support the increasing population and reduce the water shortage risk. Using advanced technologies, including new irrigation products, crop, soil water and evapotranspiration monitoring systems, remote sensing methods, mathematical models, optimized irrigation scheduling, new agricultural facilities, and related issues, could greatly save water resources and then enhance the water productivities. In this Special Issue, we want to explore recent advances in water-saving technologies and theories, based on laboratory experiments, field investigations, and physical models. Moreover, papers on non-traditional irrigation water resources, agronomy practices, and the effects of climate change on agricultural water use and agricultural water management policies are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/74989

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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
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