

Special Issue

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

Message from the Guest Editors

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

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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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