Special Issue

Sustainable and Efficient Water Use in the Face of Climate Change

Message from the Guest Editors

This Special Issue in *Water* seeks cutting-edge research on advanced irrigation practices, crop–soil–water interactions, and physiological adaptations to address these challenges. This Special Issue aims to advance sustainable water management strategies by integrating precision technologies, optimizing root–soil dynamics, and leveraging plants' physiological responses to water stress. Contributions also emphasize scalable approaches to reduce water waste, improve resource efficiency, and align with climate adaptation goals.

- High-Efficiency Irrigation Systems
- Crop–Soil–Water Interactions
- Climate Adaptation and Crop Resilience
- Technological Innovations

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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

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