Special Issue

Sustainable Agricultural Water Management Under Climate Change

Message from the Guest Editors

This Special Issue, “Sustainable Agricultural Water Management Under Climate Change,” aims to present cutting-edge research and practical solutions that enhance water productivity, improve soil–water–crop interactions, and mitigate climate risks. Innovative and adaptive strategies, such as climate-smart irrigation and drainage systems, integrated watershed management, drainage water recycling, managed aquifer recharge, soil moisture conservation, water reuse technologies, nature-based solutions, and integrated soil–water–nutrient management, can play a central role in addressing these challenges.

We therefore invite original research papers, reviews, and case studies addressing topics such as climate-smart irrigation and drainage, water reuse and conservation technologies, modeling of hydrologic and nutrient processes under changing climates, and policy frameworks supporting sustainable water governance in agriculture. By integrating field experiments, data analytics, and modeling approaches, this Special Issue seeks to advance understanding and promote adaptive water management strategies that safeguard both food security and ecosystem resilience.

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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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