Special Issue

Exploring Progress in Agricultural Water Management under Changing Environments: Monitoring, Modelling, Performances, and Optimization with Applications

Message from the Guest Editors

Rapid socioeconomic development coupled with climate change is likely to result in uncertainty in agricultural water use, making water resource management and regulation even more difficult. As a result, it is important to conduct research on water supply to irrigation districts and their operations, crop water requirement, and the balance between water supply and demand, as well as theories and methods for evaluating water resources' carrying capacity in irrigation districts under a changing environment.

This Special Issue encourages research papers on agricultural water management that include knowledge of water resource optimization, mathematical models, hydrological modeling, agricultural water productivity, and other advanced techniques or approaches. Although preference is given to the fundamental issues, papers focusing on important unconventional or emerging applications of broad interest are also welcome.

Guest Editors

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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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