



water



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Multi-Objective Water Resources Operations

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Message from the Guest Editors

Dear Colleagues,

The proper operation of existing water systems is critical for water security through improving water use efficiency to relieve water stress caused by rapid population growth and socio-economic development. At the same time, water systems generally provide services to stakeholders with multiple and competing interests, including flood control, irrigation, power generation, navigation, ecology, etc. This Special Issue is dedicated to instruments and innovations in multi-objective water resource operations intended to mitigate the underlying conflicts among multiple sectors. The emphasis should be on advances in modeling the water resource systems with multiple stakeholders and developing multi-objective optimization techniques for adaptive and robust water resource decision-making.

This Special Issue aims to gather the latest developments in integrated water resource operations, as well as multi-objective optimization and control techniques. Applications of multi-purpose water systems operation, considering health, ecosystem, and inequality issues, are also greatly appreciated.



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Special Issue



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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.

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