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Advances in Integrated Watershed Modeling and Decision Support for Watershed Management

Guest Editor:

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Message from the Guest Editor

Scenario analysis and spatial optimization of best management practices (BMPs) based on watershed processes simulation coupled with intelligent optimization algorithms is an effective simulation-based framework. This framework is extremely valuable for watershed management planning in the context of climate change, sustainable development goals (SDGs), and decision-making with multiple stakeholders. In recent years, multidisciplinary researches are facilitating and accelerating progress in almost all parts of this framework.

This special issue aims to collect original research and review articles on the recent advances in integrated watershed modeling and decision support for watershed management, including, but not limited to, methods, tools, and applications of integrated watershed modeling, high-performance watershed simulation, scenario analysis and spatial optimization of watershed BMPs.

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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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