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Decision Support Tools for Water Quality Management

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Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

The sustainability of water resources worldwide is increasingly imperiled as climate change contributes to the human-induced problems of water-supply scarcity and maldistribution. The environmental problems associated with water quality have been slower to receive attention; however, the litany of natural disasters that have accompanied these ecosystem changes have created a present-day crisis. The environmental problems associated with agriculture such as aquifer depletion, land subsidence, the seasonal drying of river flows, waterlogging, the salinization of river water and aquifers, and health problems from the excessive use of fertilizers and pesticides all have a water-quality component that requires a radical re-thinking of resource-management policy and new tools to help analysts and regulators craft novel solutions. Likewise, municipal and industrial sectors that rely on a high-quality potable water supply are cognizant of the challenges of curtailing the pollution of ……

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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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