



water

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New Challenges in Hydrological Modelling and Water Resources Management

Guest Editor:

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Message from the Guest Editor

Concern about water management is widespread. Water issues increasingly connected by intertwined disciplines, to which we must add social, economic, environmental, legal and political considerations, at different regional, national or international scales. The topic is closely linked to water, territory, and production, which materializes with the elaboration of updated management models. These are useful for researchers and for the administration of water resources and can be considered as a public and strategic good. This Special Issue aims to collect recent advances on new challenges in hydrological modelling and water resources management. These include, but are not limited to, the following themes:

- (I) Models of water management, conflicts and mediation in hydrographic basins;
- (II) new tools for water resources management based on hydro-economic models;
- (III) proposals for guidelines for a rational and sustainable management of water, land, energy and other related resource;
- (IV) hydrological models in large basins and small catchments aimed at natural risk management;
- (V) water, energy and risk, advanced models for sustainable management.



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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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