Special Issue

Hydro-Economic Models for Sustainable Water Resources Management

Message from the Guest Editors

This Special Issue addresses the importance of integrating the economic dimension into water management models, recognizing that water-related decisions have both economic and environmental implications. Hydro-economic models are analytical tools that enable the evaluation of water resource management and efficient allocation, considering both economic and hydrological aspects. These models can help decision-makers understand the interactions between water and the economy and develop strategies that promote sustainability and equity in water management. The articles in this Issue cover recent research on the development and application of hydro-economic models, as well as case studies illustrating their application in different contexts. Topics to be explored include water demand management, the interaction between water and energy resources, optimal allocation of water resources, market mechanisms, and economic incentives for water conservation. Collectively, this Issue seeks to promote the understanding and advancement of hydro-economic models as tools for the sustainable management of water resources.

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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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