Special Issue

Integrated Watershed Management Modeling

Message from the Guest Editors

Watersheds consist of terrestrial and aquatic systems. Natural biogeochemical and hydrological processes interact with social and economic drivers through land-use change and human activities at different scales. Social scientists and economists have different approaches to studying land-use and land-use change. Policymakers and social scientists have together identified the need to explore the potential indicators of how human activities and climate change affect land-use change and associated impacts, such as sediment, water quality, greenhouse gas emissions, and toxic substances transferred by the agriculture and industry to the river, and hydrological and weather extremes. Therefore, tranditional approaches are insufficient to understand a river basin system for sustainable development and watershed management. Using an integrated model, greater levels of realism can be incorporated to analyze and evaluate how biogeochemical, hydrological, and social processes interact. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Watershed_Management_Modeling

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Deadline for manuscript submissions

closed (31 October 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/44658

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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.

Editor-in-Chief

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