Special Issue

Integrated Ecohydrological Models and Aquatic Ecosystem Management

Message from the Guest Editors

As a critical component of the global environment, aquatic ecosystems support a wide range of organisms, including bacteria, fungia, algae, invertebrates, plants, and fish. With the rapid economic development and population increase, aquatic ecosystems have been increasingly affected by human induced stressors. These stressors interact and can result in complex effects on organisms, and ultimately on ecosystem functions and services that are vital for human wellbeing. Restoration and sustainable management of aquatic ecosystems affected by multiple stressors is thus a key contemporary challenge for environmental scientists and policy makers. Integrated ecohydrological models enable us to run “virtual experiments” and are mandatory to disentangle the complex interaction of stressors on aquatic ecosystems. Thus far, investigation of integrated models is still missing, although there are a few successful implementations. [...] For further reading, please follow the link to the Special Issue Website at: www.mdpi.com/journal/water/special_issues/ecohydrological_models_aquatic_ecosystem

Guest Editors

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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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