Special Issue

Advances in Water Allocation and Optimal Reservoir Operation: Artificial Intelligence and Statistical Modelling in Water Resources Sustainability

Message from the Guest Editors

The optimal management of water resources is a crucial issue due to the context of global warming, which is leading to a modification of the hydrological cycle. This draws a complex scenario for the sustainability of water resources, in addition to offering a challenge for the development of innovative approaches. To achieve and facilitate the sustainable and safe management of them, major advance in different fields are necessary, such as new developments based on digitalization, innovative and integrated methodologies, analytical approaches, innovative hydrological/hydraulic spatio-temporal analytical strategies, sediment minimization strategies to reservoirs, forest restoration, as well as pioneering sediment management designs in reservoirs, among others, to improve the resilience of water systems.[...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/L1LP417CR3

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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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