Special Issue

Artificial Intelligence, Machine Learning and Digital Innovation in Water Management

Message from the Guest Editor

Today, water resource management is one of the most important topics for decision-makers, modelers, and policymakers. The management of water resources involves complex and nonlinear problems. Robust tools are required for solving and modeling optimization and simulation problems. Digital innovations, optimization algorithms, and artificial intelligence are robust models for managing and planning water resources. These models can be used to solve multidimensional problems with many constraints and objective functions. Machine learning and artificial intelligence models are useful tools for assessing the impacts of climate change on water resources. These tools can be integrated with remote sensing and geographic information systems (GIS) for planning and managing water resources. The current Special Issue addresses the mentioned problems based on the following goals. However, the Special Issue is not limited to these topics[...] For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/MWBLOGH1XR

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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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