

Special Issue

Innovative Data Analysis Methodologies in the Water Sector: Water Quality and Water Management

Message from the Guest Editors

The main objective of this Special Issue is to show the scientific community how new innovative data analysis methodologies (e.g., machine learning, deep learning, artificial intelligence, blockchain, etc.) can be of great help for the management and quality of water resources, and complement classical management methodologies. These types of methodologies can be used to predict water demands, distribution system failures, selection of treatment technologies, prediction of the behaviour of a given pollutant, and so on. Although they are increasingly present in the water sector, their real application is still limited in certain areas such as treatment management. The impact of global population growth, coupled with increased human activity, on the natural environment is leading to increased water stress in many parts of the world. This situation will be aggravated in the coming decades as a consequence of climate change and a more irregular water regime. [...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Water_Sector

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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

Dr. Jean-Luc PROBST

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