

## Special Issue

# AI and Big Data in Future Water Resources

### Message from the Guest Editors

Massive water infrastructures such as reservoir and inter-basin water transfer have been built to tackle the temporal-spatial differences of water resources across the world. Understanding how to operate these complex systems using traditional approaches still represents a research gap. Innovations in information and communications technology (ICT) have advanced the resources issues to be solved. Monitoring, data analytics, and artificial intelligence are promising technologies in engineering planning, design, operation, and maintenance management. The innovative technologies could lower capital and operational costs, secure infrastructure operation, and mitigate greenhouse gas emission. Infrastructure sustainability and the efficient utilization of water resources can be realized in this field of study. For this Special Issue we welcome papers on big data and AI applications to water supply systems, water transfer systems, reservoirs, etc. The scope is a cross/multi-discipline view of ICT and water engineering. The Special Issue proposed will provide valuable information to the readership of *Water*.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 December 2022)



## Water

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## About the Journal

### 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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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