

## Special Issue

# Data Analytics and Edge Computing for Water Security and Management

### Message from the Guest Editors

The goal of this Special Issue is to explore the most comprehensive and cutting-edge technologies and applications related to water security, management, and the Internet of Things (IoT). It seeks to bring together the latest advancements in technology, with a focus on improving water security, water management, conservation, and energy efficiency. Specifically, research papers addressing topics such as smart water management, water monitoring and control, utility automation, water quality and conservation, water sanitation, and other related topics will be included in the issue. Furthermore, papers that discuss the implications of IoT for water security and management, such as the use of data analytics, edge computing, and machine learning, as well as research that examines the impact of regulatory changes, emergent technologies, and societal behaviors on water security and management will be included. This Special Issue will provide readers with a platform to share their knowledge and insights on current challenges and future opportunities related to water security, management, and IoT.

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### Guest Editors

Dr. Mohammed Alshehri

Prof. Dr. Osama Abdulaziz AlFarraj

Dr. Hesham Alhumyani

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### Deadline for manuscript submissions

closed (8 July 2025)



## 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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