



water



an Open Access Journal by MDPI

Data Analytics and Edge Computing for Water Security and Management

Guest Editors:

Dr. Mohammed Alshehri

Department of Information Technology, College of Computer and Information Sciences, Majmaah University, Majmaah 11952, Saudi Arabia

Prof. Dr. Osama Abdulaziz AlFarraj

Computer Sciences Department, Community College, King Saud University, Riyadh, Saudi Arabia

Dr. Hesham Alhumyani

Department of Computer Engineering, College of Computers and Information Technology, Taif University, Taif, Saudi Arabia

Deadline for manuscript submissions:

8 July 2025

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.



mdpi.com/si/168186

Special issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)