Special Issue

New World: Advancing Water Applications Through Machine Learning and Artificial Intelligence

Message from the Guest Editor

We are excited to invite submissions to the Special Issue concerning the “New World: Advancing Water Applications Through Machine Learning and Artificial Intelligence”. This Special Issue focuses on the transformative potential of Machine Learning (ML) and Artificial Intelligence (AI) technologies in addressing complex water-related challenges. It seeks original research and case studies demonstrating how ML and AI can enhance water-related fields, including the development of predictive models for water supply and demand, the application of deep learning for real-time water quality assessment, and the use of AI in smart water networks for efficient resource allocation. This special issue serves as a platform for researchers, practitioners, and policymakers to share insights and foster collaboration in advancing the sustainable management of water resources through AI and ML innovations. We encourage the submission of original research articles, reviews, and case studies that demonstrate applications of machine learning and Artificial Intelligence technologies to solve complex water-related problems.

Guest Editor

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Deadline for manuscript submissions

15 October 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/233938

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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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