

Special Issue

Water Supplies, Sewerage and Stormwater Networks: New Challenges and Advances in Modelling and Management

Message from the Guest Editors

The modeling and management of water distribution, sewerage, and urban drainage networks have been the focus of much scientific interest recently due to challenges arising from climate change, urbanization, the deterioration of water networks, and global threats to public health, among others. This Special Issue aims to publish articles that advance our knowledge and understanding of the modeling and management of different types of urban water networks. Considering water distribution networks, this issue focuses on quantity and quality issues related to the drinking water system, including hydraulic modeling, performance assessment techniques, real-time monitoring and control, energy optimization, and water safety. Sewer and stormwater networks can also be studied from both the quantity and quality perspective, including hydraulic modeling under uncertainty, real-time monitoring, optimization methods, new management technologies, circular economy, climate change effects, urban flood risk and control measures, and infrastructure. In this Special Issue, original research articles and reviews are welcome.

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Deadline for manuscript submissions

25 March 2025



Water

an Open Access Journal
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Impact Factor 3.0
CiteScore 5.8



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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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