



water

an Open Access Journal by MDPI



Drinking Water Distribution Systems: Hydraulics and Water Quality

Guest Editors:

Prof. Dr. Tuqiao Zhang

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou 310025, China

Dr. Shipeng Chu

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou 310058, China

Dr. Miaomiao Ye

College of Civil Engineering and Architecture, Zhejiang University, Zhejiang 310058, China

Deadline for manuscript submissions:

closed (10 November 2023)

Message from the Guest Editors

A drinking water distribution system (WDS) is a network that delivers drinking water produced at water treatment plants to end users. Due to their large spatial coverage and complex structures, WDSs have encountered many challenges, including excessive energy consumption, water leakage, pipe bursts, and water contamination. These challenges highlight the need for sustainable management of these systems. Now, with the rapid development of smart technologies and the Internet of Things, including metering technologies and data analytics methods, WDS management can be developed from a new perspective.

This Special Issue aims to collect papers dealing with the monitoring and modeling of drinking water distribution systems from new perspectives, including (but not limited to) hydraulic and water quality models, sensor placement, leakage control, data mining, event detection, disinfection, pollutant removal, etc. In addition, we welcome papers focused on new achievements in the field.



mdpi.com/si/142845

Special issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, 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, St. Alban-Anlage 66
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)