

Special Issue

Innovations in Water Distribution Networks: Sustainability, Resilience, and Risk Assessment

Message from the Guest Editors

Water distribution systems represent the final stage prior to the human consumption of treated water.

Although they are critical in ensuring safe water supply to individual consumers, they do not always receive the attention that they deserve. Water distribution networks comprise a resource-intensive infrastructure with significant implications in the sustainability of the water supply system. Sustainability can be achieved through innovations in pipe networks, monitoring water quality, timely condition assessments, and maintenance. The vulnerability of widespread water distribution also places an emphasis on risk assessments, as water distribution networks provide a critical service to human health. This Special Issue aims to bring together innovations in sustainability, resilience, and risk assessments in water distribution networks.

Guest Editors

Dr. Md Mortula

Department of Civil Engineering, American University of Sharjah, Sharjah P.O. Box 26666, United Arab Emirates

Dr. Mohammad Shahedur Rahman

Civil Engineering Department, College of Engineering, Imam Mohammad Ibn Saud Islamic University, Riyadh 13318, Saudi Arabia

Deadline for manuscript submissions

closed (30 January 2026)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/212544

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)