

## Special Issue

# Water Distribution Systems: Security, Resilience, Water Loss Management and Sustainability

### Message from the Guest Editors

The preeminent tenet of sustainable development is intergenerational equity, and it follows logically that the goal of sustainably managing water distribution systems unavoidably calls for the scrupulous and rigorous balancing of costs and other conflicting aims, considering the beneficiaries and other stakeholders. Water distribution systems (WDSs) are integral to the viability and sustainability of the populations they serve, and this Special Issue seeks to address WDSs from multiple perspectives as they relate to long-term sustainability. Examples include hydraulic capacity reliability; infrastructure resilience; cyber-physical security; contaminant intrusion and water quality security; water loss management; asset condition monitoring and management; digitalization plus operational and infrastructure data quality; and intermittent water supply system planning, design and operation. Contributions can encompass new methods, critical discussions, thought pieces or reviews of the latest developments and trends. Importantly, contributions from various disciplines and methodological approaches are encouraged.

---

### Guest Editors

Dr. Tiku Tanyimboh

Dr. Alemtsehay Seyoum

Prof. Dr. Rajesh Gupta

---

### Deadline for manuscript submissions

15 July 2026



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/242583](https://mdpi.com/si/242583)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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