

## Special Issue

# Smart, Sustainable and Resilient Water Management in Urban Areas

### Message from the Guest Editors

The purpose of this Special Issue is to disseminate real-life applications, innovative research outcomes, and new knowledge of urban water management, which have been used to make urban water systems smart, sustainable, and resilient. The scope of this Special Issue includes but is not limited to:

- Source water monitoring and protection;
- Development of resilient water infrastructures;
- Drinking water treatment and their sustainability;
- Disinfection by-products, their removal, and health risks;
- Emerging contaminants in drinking and wastewater and their risks to human and ecosystems;
- Wastewater treatment, energy recovery, and water reuse;
- Water–energy nexus;
- Climate change adaptation and mitigation, stormwater harvesting, and urban hydrology;
- Water-sensitive design of cities;
- Life cycle sustainability assessment (LCA, LCC, and Social LCA) of urban water;
- One water approach;
- Smart water management and digital water.

---

### Guest Editors

Dr. Gyan Chhipi Shrestha

Dr. Nicolas Beauchamp

Dr. Ianis Delpla

Dr. Bingyi Kang

---

### Deadline for manuscript submissions

closed (30 June 2022)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/61592](https://mdpi.com/si/61592)

*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)