



## Smart, Sustainable and Resilient Water Management in Urban Areas

Guest Editors:

**Dr. Gyan Chhipi Shrestha**

**Dr. Nicolas Beauchamp**

**Dr. Ianis Delpla**

**Dr. Bingyi Kang**

### Message from the Guest Editors

The purpose of this Special Issue 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.

Deadline for manuscript  
submissions:

**closed (30 June 2022)**





an Open Access Journal by MDPI

## 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

## 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.

## 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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)