



## The Impact of Climate Change on Urban Water Infrastructure

Guest Editors:

### **Dr. Deeksha Rastogi**

Computational Sciences and  
Engineering Division, Oak Ridge  
National Laboratory, Oak Ridge,  
37831 Tennessee, TN, USA

### **Ms. Brianna Rita Pagán**

1. Environmental Modelling Unit,  
Flemish Institute for  
Technological Research (VITO),  
BE-2400 Mol, Belgium  
2. Department of Environment,  
Ghent University, B-9000 Ghent,  
Belgium

Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### **Message from the Guest Editors**

With the projected increase in atmospheric warming during the 21st century, the stress on urban water infrastructures will continue to rise. Therefore, to make these systems more resilient and attenuate the impact of the changing climate, it is inevitable to improve their design and management. When establishing the design criteria, the consideration of future climate scenarios can be crucial for the development of sustainable infrastructures. With the availability of high-resolution climate projections as a result of increased computational capacity, research investigating the effect of the changing climate on urban infrastructures has been growing.

This Special Issue focuses on highlighting state-of-the-art research that bridges the gap between climate and urban systems to advance our understanding of climate change impact on urban water infrastructures and propose ideas to make these systems more resilient. This Special Issue seeks articles that utilize approaches including, but not limited to, process-based modeling, empirical methods, and machine learning techniques at scales relevant to urban planning and management.





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](#)