

## Special Issue

# Sustainable Rainwater Management: Challenges and Perspectives

### Message from the Guest Editors

Replacing natural areas with impermeable ones diminishes the volume of water subject to retention and infiltration into the ground, which increases the risk of both flooding and urban drought. Experience shows that existing conventional drainage systems are not capable of transporting the entire surface runoff resulting from heavy rainfall, which causes significant financial as well as social losses. This, in turn, leads to increased interest in using pro-environmental solutions. The existing literature proves that sustainable rainwater management provides many economical, social and environmental benefits, including diminishing the risk of flooding, improving the micro-climate in urban agglomerations, and reducing water consumption, etc. Furthermore, in many cases, the usage of sustainable drainage systems might be a financial advantage for investors. In this Special Issue, articles on current and innovative strategies concerning the management of rainwater, which will aim to meet the challenges relating to the quality and quantity of rainwater and drainage infrastructure, will be welcome.

---

### Guest Editors

Dr. Mariusz Starzec

Prof. Dr. Daniel Słyś

Dr. Sabina Kordana-Obuch

Dr. Kamil Pochwat

---

### Deadline for manuscript submissions

closed (30 June 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/69567](https://mdpi.com/si/69567)

*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)