

## Special Issue

# Cutting-Edge Technologies for Wastewater Management and Environmental Protection

### Message from the Guest Editors

The Special Issue aims to focus on the emerging treatment modes applied to wastewater treatment and water reclamation, and recovery of energy and value-added products. Research areas may include but not limited to:

- Natural wastewater treatment systems;
- Water reclamation, recycling, and reuse;
- Advanced water reclamation and reuse technologies;
- Membrane technology for wastewater treatment: water reuse and resource recovery;
- Anaerobic wastewater treatment for energy and water recovery;
- Energy self-sufficiency in wastewater treatment plants;
- Microbial fuel cells in energy and resources recovery from wastewater treatment;
- Algal treatment of wastewater for resources recovery;
- Nitrogen and phosphorus recovery;
- Wastewater to biogas recovery;
- Circular city concept for future wastewater treatment biorefineries;
- Wastewater to r3—resource recovery, recycling, and reuse efficiency in urban wastewater treatment plants;
- Energy and resources recovery from wastewater treatment systems;
- Sludge to energy and values added products recovery;
- Advanced pre-treatment technologies for biosolids (sludge) treatment.

### Guest Editors

Dr. Rajesh Singh

Environmental Hydrology Division, National Institute of Hydrology,  
Roorkee 247667, Uttarakhand, India

Dr. Vinay Kumar Tyagi

Environmental Hydrology Division, National Institute of Hydrology,  
Roorkee 247667, Uttarakhand, India

### Deadline for manuscript submissions

closed (31 December 2023)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/137629](https://mdpi.com/si/137629)

*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)