

## Special Issue

# Wastewater Treatment and Purification

### Message from the Guest Editor

Human activity is the primary source of worldwide water pollution. Water pollution is now quickly growing due to the increased washing of hands and clothes during COVID-19 pandemic situations. Also, pollution from different compounds in household water and industrial effluents is rising. As a result, the quality of aquatic ecosystems continues to deteriorate in many regions. Wastewater should be adequately treated and purified before being discharged into rivers and seas. There are many methods for wastewater treatment and purification. In recent years, wastewater treatment methods such as hybrid processes, membrane filtration, the use of polymeric materials (adsorbents, flocculants, and catalyst), biotechnologies, and nanotechnologies have piqued the interest of researchers since these are low-cost, environmentally friendly, and straightforward. The sustainable supply of pure water to the ordinary people of the society is the greatest challenge in most developing and third world countries. Thus, innovating and developing cost-effective and specific wastewater treatment and purification processes is essential for environmental and economic sustainability.

---

### Guest Editor

Dr. Haradhan Kolya

Department of Housing Environmental Design, Jeonbuk National University, Jeonju 54896, Korea

---

### 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/98405](https://mdpi.com/si/98405)

*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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

## 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, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)