



## Waste-Derived Functional Materials: Application in Water and Wastewater Treatment

Guest Editor:

**Dr. Huiping Zeng**

Key Laboratory of Water Quality  
Science and Water Environment  
Recovery Engineering, Beijing  
University of Technology, Beijing  
100124, China

Deadline for manuscript  
submissions:

**closed (1 June 2024)**

### Message from the Guest Editor

Water pollution is a major threat to the sustainable development of human society; therefore, there is an urgent need to develop efficient and low-cost water and wastewater treatment technologies to ensure the supply of clean drinking water and the restoration of polluted water bodies. Currently, a large number of researchers have focused on the preparation and application research of waste-derived water treatment materials, which have significant environmental and economic significance.

This Special Issue will concentrate on highlighting timely research including the latest applications of waste-derived functional materials in adsorption, photocatalytic degradation, electrochemical treatment, and advanced oxidation processes (AOPs). For this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Resource utilization of agricultural waste and its application in water and wastewater treatment.
- Resource utilization of industrial waste and its application in water and wastewater treatment.
- Resource utilization of water treatment residuals and its application in water and wastewater treatment.





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, Grosspeteranlage 5  
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](https://twitter.com/Sus_MDPI)