

Special Issue

Biogenic Waste: Treatment, Reuse and Recycle

Message from the Guest Editors

The aim of this Special Issue is to provide a comprehensive understanding of the various treatment, reuse and recycle options for biogenic waste, including both technical and economic aspects. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Biomethanation and other anaerobic digestion techniques for biogenic waste treatment;
- Composting, vermicomposting, and other aerobic treatment methods;
- Biogenic waste reuse in agriculture and horticulture;
- Circular agricultural approach in residues management;
- Anaerobic digestion-based circular economy;
- System scale analysis of biogenic waste collection and processing chain;
- Biogenic waste recycling in energy and material production;
- Advanced thermal treatments such as hydrothermal treatment, pyrolysis, and gasification;
- Life cycle assessment of biogenic waste management options;
- Legal and regulatory aspects of biogenic waste management;
- Sensors and modelling in waste management and renewable energy;
- Economic and social aspects of biogenic waste management.

Guest Editors

Dr. Kawnish Kirtania

Department of Chemical Engineering, Bangladesh University of Engineering and Technology, Dhaka 1000, Bangladesh

Prof. Dr. Chayan K. Saha

Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh

Deadline for manuscript submissions

closed (18 December 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/161804

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)