



Renewable Energy and Sustainable Waste Management: Advancements in Green Technologies for a Cleaner Future

Guest Editors:

**Prof. Dr. Yuan-Chung (Oliver)
Lin**

Dr. Kassian T.T. Amesho

Dr. Subrata Chowdhury

Dr. Ashutosh Pandey

Deadline for manuscript
submissions:

closed (31 May 2024)

Message from the Guest Editors

The scope of this Special Issue encompasses a wide range of topics related to renewable energy and sustainable waste management. We welcome contributions on, but not limited to, the following themes:

- Renewable energy technologies for waste management;
- Waste-to-energy conversion systems;
- Sustainable utilization of biomass waste;
- Circular economy approaches in waste management;
- Life cycle assessment of renewable energy and waste management systems;
- Techno-economic analysis of green technologies in waste management;
- Environmental and social impacts of renewable energy and waste management practices;
- Innovative approaches for waste reduction, recycling, and resource recovery;
- Integration of renewable energy systems with waste management infrastructure;
- Applications of Internet of Things (IoT) in waste management;
- Use of artificial intelligence (AI) and machine learning in waste management processes;
- Blockchain technology for traceability and transparency in waste management systems.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)