



## 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. Steve W. Lyon**

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

## 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.

## 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)

## 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](#)