



## Advances in Biorefining of Biowaste

Guest Editors:

**Dr. Dimitrios Komilis**

Department of Environmental  
Engineering, Democritus  
University of Thrace, Kimmeria  
Campus, GR 671 32 Xanthi,  
Greece

**Prof. Dr. Paolo S. Calabrò**

Department of Civil, Energy,  
Environmental and Materials  
Engineering, Università Degli  
Studi Mediterranea di Reggio  
Calabria, Via Graziella, Loc. Feo di  
Vito, 89122 Reggio Calabria, Italy

Deadline for manuscript  
submissions:

**closed (31 January 2021)**

### Message from the Guest Editors

This special issue will focus on biorefining of organic (solid) waste, as viewed through the prism of circular economy, and will cover the following state of the art topics:

- Organic waste source separation schemes: decentralized vs centralized schemes.
- Characterization of municipal and industrial biowaste.
- Valorization of organic waste and recovery of useful compounds/materials.
- Home and community composting.
- Waste-based bioethanol generation.
- Hydrogen production via anaerobic digestion.
- Biogas refining and upgrading.
- Life cycle analysis of biorefining techniques in organic waste management.
- State of the art in MBT technologies for municipal solid waste management.





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](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)