



Advances in Biomass Waste Valorization

Collection Editors:

Prof. Dr. Petronela Nechita

Department of Environment,
Applied Engineering and
Agriculture, Dunărea de Jos
University of Galați, Brăila,
Romania

**Prof. Dr. Rodica-Mihaela
Dinică**

Department of Chemistry,
Physics and Environment,
Dunarea de Jos University of
Galati, 800201 Galati, Romania

Dr. Bianca Furdui

Department of Chemistry,
Physics and Environment,
"Dunarea de Jos" University of
Galati, 800201 Galati, Romania

Message from the Collection Editors

This Special Issue aims to cover recent and emerging strategies for the development of sustainable biomass waste conversion processes, focusing on the aspects that drive research to upgrade the existing technologies to obtain bio-based products (e.g., more green processes).

Attention will be paid to multidisciplinary approaches in various fields of engineering (chemical, food, civil, environmental, materials, and agricultural) dealing with the valorization of biomass waste for the sustainable production of valuable and useful products with large industrial applications (e.g., packaging, building, foods, cosmetics, pharmaceutical, chemistry, de-pollution, and automotive). Furthermore, the processes and practices that contribute to reducing environmental emissions and the life cycle assessment of the systems considered (technologies and materials) are also of interest.

Papers that present theoretical and quantitative analysis of the topic as well as qualitative research based on case studies (pilot-plant and full-scale) are welcome for review and publication.





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](#)