



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**

Faculty of Sciences and
Environment, Department of
Chemistry, Physics and
Environment, "Dunărea de Jos"
University of Galați, 111
Domneasca Street, 800201 Galați,
Romania

Prof. Dr. Bianca Furdui

Faculty of Sciences and
Environment, Department of
Chemistry, Physics and
Environment, "Dunărea de Jos"
University of Galați, 111
Domneasca Street, 800201 Galați,
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. 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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)