

Special Issue

Biowaste Valorization for a Circular Bioeconomy and Sustainable Society

Message from the Guest Editors

Urban waste has become one of the most challenging environmental problems in today's world owing to unprecedented urbanization and industrial activities. The waste sector is a significant player in global GHG emissions, driven primarily by open dumping and disposal in landfills without landfill gas capture systems. Biowaste valorization is an attractive approach that offers a range of promising alternatives to disposal/or landfilling of waste. Valorization techniques, such as composting, vermicomposting, anaerobic digestion, anaerobic fermentation, gasification, etc., add value to waste. The recovery of value-added products, including materials, chemicals, and energy, supports global sustainability, which relies on a low carbon footprint, renewable resources, renewable energy, waste reduction, decreased pollution, GHG reduction, ecosystem and human health, sustainable agriculture practices, the reclamation of degraded land, etc. Biowaste streams play an important role in the transition towards a circular bioeconomy. Adopting and implementing these biowaste valorization technologies in developing nations is seen as critical for improving global sustainability.

Guest Editors

Dr. Rajeev Pratap Singh

Prof. Dr. Mallavarapu Megharaj

Dr. Vaibhav Srivastava

Dr. Surindra Singh Suthar

Prof. Dr. Vinod Kumar Garg

Deadline for manuscript submissions

closed (31 December 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/100818

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

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.

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)