Special Issue

Value-Added Utilization of Organic Waste for Sustainable Development

Message from the Guest Editors

Due to increasing demographic growth, industrialization, urbanization and economic wealth, increasing amounts of waste are accumulating in both developed and developing countries. The chemical composition of waste is more complex, so they increasingly endanger human health and the environment. Organic waste occupies a significant place among waste, as it is renewable, usually available in large quantities and potentially cheaper than other materials. Organic waste management promotes sustainable development of a country in terms of its economy and environmental protection. Valorization is a potential solution for organic waste management. It is achieved by applying some of the chemical, physical and biotechnological processes. In this way, it is possible to reuse bioactive and highly valuable components (antioxidants, vitamins, pigments, dietary fibers, pectin, oligosaccharides and others) which are very important for the pharmaceutical, cosmetic and food industry. Organic waste is also used as a raw material for the production of value-added products such as biofertilizers, biofuel adsorbents, biopesticides, biohydrogen, enzymes, bioplastics, etc.

Guest Editors

Dr. Ivana Savic Gajic

Faculty of Technology in Leskovac, University of Nis, Bulevar Oslobodjenja 124, 16000 Leskovac, Serbia

Dr. Ivan Savic

Faculty of Technology in Leskovac, University of Niš, Bulevar Oslobodjenja 124, 16000 Leskovac, Serbia

Deadline for manuscript submissions

closed (21 November 2023)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/158693

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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. 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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)

