



Livestock Manure and Waste Treatment/Management Systems and Sustainable Environmental Utilization of Manure Resources

Guest Editors:

Dr. Kyoung S. Ro

Dr. Ariel A. Szogi

Dr. Matias Vanotti

Prof. Dr. Airton Kunz

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear colleagues,

For this Special Issue, we seek innovative technologies for manure management that maximize the recycling of nutrients, convert livestock waste into valuable byproducts for reuse or bioenergy, and reduce the environmental footprint of livestock production while promoting sustainable environments. Potential topics covered in this Special Issue include, but are not limited to:

- Development of manure and livestock waste processing, treatment, and value-added technologies to reduce pollutant emission and promote circular economies of manure byproducts and sustainable food systems;
- Production of energy and valorization of manure byproducts using thermal- and/or bio-based technologies;
- Innovative applications of manure-derived products for improving soil, water, and air quality;
- Manure treatment systems that yield additional benefits such as odor and pathogen reduction, GHG reduction, and generation of water for on-farm reuse and provide ecosystem benefits such as the protection and restoration of water quality and the generation of water quality credits.





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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)