

Special Issue

Waste Management and Life Cycle Assessment

Message from the Guest Editors

This Special Issue aims to explore the intersection of waste management practices and life cycle assessment (LCA) methodologies. This combination offers a holistic approach to understanding the environmental impacts of waste management processes. Please note that economic and social aspects are separate topics and excluded from the scope of this Special Issue. We seek to provide a comprehensive overview of the sustainability and efficiency of waste management strategies across multiple waste streams, including municipal solid waste, animal manure, and wastewater sludge.. We invite contributions that address the following topics of interest:

- LCA developed and applied to waste management systems;
- Evaluate the life cycle environmental impacts of emerging novel technologies for waste collection, sorting, recycling, and disposal;
- LCA for strategies and initiatives for promoting circular economy principles and waste reduction in waste management;
- Real-world case studies and practices that illustrate the integration of LCA to inform waste management strategies and best practices of waste handling to reduce environmental burdens.

Guest Editors

Dr. Yixuan Wang
Prof. Dr. Manuel Soto
Dr. Yingqian Lin

Deadline for manuscript submissions

closed (25 December 2024)



Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



mdpi.com/si/192478

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

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





Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



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



About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy

2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).