

## Special Issue

# Municipal Solid Waste Management: Towards a Sustainable Future

### Message from the Guest Editors

There are several actions that can be implemented in order to effectively achieve circular economy. These can affect different life cycle stages, by introducing new design criteria, good practices in consumer behaviours, and innovative end-of-life options. This Special Issue focuses on possible ways to improve the sustainability of municipal solid waste management (MSW) by investigating currently available options and those to be implemented in the near future. Research areas may include (but are not limited to) the following: -Emerging technologies for waste management and resource optimization.

-Optimization of traditional treatments for municipal solid waste management.

-Mechanical, physical and chemical recycling routes for resource recovery from municipal solid waste.

-Opportunities and challenges of applying gasification to municipal solid waste.

-Specific fractions of municipal solid waste of interest in a circular economy perspective.

-Life cycle assessment of alternative options/schemes for municipal solid waste management. We look forward to receiving your contributions.

---

### Guest Editors

Dr. Filomena Ardolino

Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, University of Campania "Luigi Vanvitelli", 81100 Caserta, Italy

Dr. Francesco Parrillo

Department of Environmental, Biological, Pharmaceutical Sciences and Technologies, University of Campania "Luigi Vanvitelli", Via Vivaldi, 43, 81100 Caserta, Italy

---

### Deadline for manuscript submissions

closed (31 July 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/127907](https://mdpi.com/si/127907)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto: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. 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)