



Enhanced Waste Management Models to Support Waste Prevention and Circularity

Guest Editors:

Prof. Dr. Augusto Bianchini

Department of Industrial Engineering, University of Bologna, 47121 Forlì, Italy

Dr. Jessica Rossi

Department of Industrial Engineering, University of Bologna, 47121 Forlì, Italy

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

Significant efforts to decouple economic growth and waste generation are required. Several technological and non-technological barriers exist according to different industrial sectors and value chains. In particular, in the new European Circular Economy Action Plan, seven key value chains have been identified as the most urgent to effectively shift to more sustainable production and consumption patterns, which are: electronics and ITC; batteries and vehicles; packaging; plastics; textiles; construction and buildings; and food, water and nutrients.

Starting with these value chains, but not exclusively, this Special Issue of Sustainability aims to collect reviews and research on sustainable and circular models and solutions to manage and reduce waste. The main focus is on technological innovations, to both prevent waste generation and recover, recycle and reuse them as new resources and materials, in the same or in other value chains.





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)