



Life Cycle Sustainability Analysis of Resource Recovery from Waste Management Systems in a Circular Economy Perspective

Guest Editors:

Prof. Dr. Carlo Ingrao

Prof. Dr. Claudia Arcidiacono

Dr. Valentina Siracusa

Prof. Dr. Monia Niero

Prof. Dr. Marzia Traverso

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

The circular economy (CE) is attracting interest and attention from international science and policy communities to help maintaining products, components and materials at their highest levels of utility and value. In practice, CE is aimed at minimising waste and excessive resource utilisation by turning goods at the end of their lifespans, as well as the wastes from manufacturing and usage, into resources for the production of other commodities. Integrated strategies should be implemented for the prevention of waste, and for more sustainable manners of managing and recovering already generated waste. Affordable, effective and sustainable waste management is essential for sustainable development. For waste management systems to be sustainable, the environmental, economic and social aspects need to be computed. Methodologies like the life cycle sustainability assessment (LCSA) are powerful tools to address trade-offs.

This SI was designed to motivate prominent researchers to investigate this field and share their results. Doing so will enable the creation of a reliable and up-to-date picture of the state-of-the-art of LCSA applications for waste management systems in a CE context





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Benjamin McLellan

Graduate School of Energy
Science, Kyoto University,
Yoshida-honmachi, Sakyo-ku,
Kyoto 606-8501, Japan

Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources—from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), GEOBASE, GeoRef, PubAg, AGRIS, RePEc, and other databases.

Journal Rank: JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Nature and Landscape Conservation)

Contact Us

Resources Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/resources
resources@mdpi.com
[X@resources_mdpi](https://twitter.com/resources_mdpi)