



Circular Waste Management: Returning End-of-Life Products Back to the Economy

Guest Editor:

Dr. Ana Pires

MARE, Department of Environmental Sciences and Engineering, NOVA School of Sciences and Technology, Universidade NOVA de Lisboa, Portugal

Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editor

The waste generated is raising in amount and hazardousness, the demand for raw materials is higher. The scarcity of resources had led the industry to treat solid waste as new source of materials. Integrated Solid Waste Management was helpful to establish scale economies and reach processes efficiencies for waste treatment. Such linear process cannot meet the challenges of Circular Economy approach and Sustainable Development Goals. Circular Waste Management (CWM), includes recovery or reuse, materials be returned to cycle, with advantages to the reduction of cross-media transfer of contaminants. CWM requires to answer the challenges: making use of products more efficient and bringing end-of-life products to the economy sustainably. The best systems analysis tools to promote CWM like life cycle assessment, cost-benefit analysis, multicriteria decision making, operation research methods including reverse logistics, ecodesign tools, material flow analysis. It is important to encourage a new paradigm of waste management, where the materials loops are closed and waste generated is minimized. The SI intends to draw together current progress in the CWM with a sustainable background.





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), 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)