Special Issue

Recovery and Treatment of Solid Waste

Message from the Guest Editors

The recovery of solid waste is a challenge and an opportunity for companies, thanks to the ongoing awareness of sustainability and technological advances. The end-of-waste criteria is a European strategic goal that promotes recycling, to ensure a high level of environmental protection by means of quantities reduction of waste destined for disposal. This Special Issue aims to promote the knowledge of technological methods for solid waste recovery. Papers are invited to investigate innovative processing methods with the goal of valorizing solid waste form different civil and industrial activities. Topics may include studies on construction and building, mining, plastic, WEEE referring to the treatment techniques used and, where appropriate, the critical raw materials that can be valorised. The recovery processes of critical raw materials can be very energy-intensive, affecting environmental and soil aspects. Case studies on sustainable, low carbon and resource-efficient development for the purpose of a more competitive economy are also very welcome.

Guest Editors

Dr. Rossana Bellopede

Department of Environment, Land and Infrastructure Engineering, Politecnico di Torino, 10129 Torino, Italy

Dr. Lorena Zichella

Department of Environment, Land and Infrastructure Engineering, Politecnico di Torino, 10129 Torino, Italy

Deadline for manuscript submissions

closed (20 March 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/72910

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)