Special Issue

Sustainable Technologies for Recycling of Lithium-Ion Batteries

Message from the Guest Editors

Li-ion batteries (LIBs) are one of the effective solutions in modern society to reduce GHG emissions from one of the major GHG emitters, that is, the transportation sector. LIBs currently represent a critical pillar to achieve a fossil fuel-free economy. Global LIB manufacturing is growing very quickly to meet the high demand and usage in vital applications such as portable electronics, electric vehicles, and grid storage.

The lifetime of LIBs is quite limited. In this context, the recycling of spent LIBs can play a significant role in securing a sustainable supply of critical metals for new LIBs production while simultaneously reducing landfill waste. Thus, technologies that can stably secure strategic metals must be developed. This Special Issue welcomes original articles and reviews addressing innovative and sustainable technologies for the recycling of exhausted batteries to overcome the problems connected with limited raw materials and increasing demand of these resources.

Guest Editors

Dr. Alessandra Zanoletti

Department of Mechanical and Industrial Engineering, University of Brescia, Via Branze 38, 25123 Brescia, Italy

Dr. Elsayed Mousa

Metallurgy Department, SE-974 37 Swerim AB, Luleå, Sweden

Dr. Guozhu Ye

Metallurgy Department, SE-974 37 Swerim AB, Luleå, Sweden

Deadline for manuscript submissions

closed (30 September 2023)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/121679

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

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. *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.

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

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)