



Sustainable Technologies for Recycling of Lithium-Ion Batteries

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

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Message from the Guest Editors

Dear Colleagues,

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.

Dr. Alessandra Zanoletti

Dr. Elsayed Mousa

Dr. Guozhu Ye

Guest Editors





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Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

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