



## Recovery of Critical Metals and Materials from Residues

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### Message from the Guest Editor

Dear Colleagues,

In 2020, the European Commission defined a list of critical raw materials, including 30 materials that are considered critical for sustainable and economic reasons. Most of these critical materials are metals, but some of them are minerals or compounds, such as phosphates, fluorspar, borates, and also coke and rubber. Several types of residues may contain some of these critical materials in their composition, making them potential ores for their recovery.

This Special Issue aims to address research on processes for the recovery of critical metals and materials from residues and related streams. This includes residues from industry, from animal-derived byproducts, and from municipal wastes, in both solid and liquid forms. Research may also consider activities related to the characterization of residues, when devoted to developing extraction processes. It may also address the economic and environmental evaluation of processes with the goal of recovering critical raw materials from residues.





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## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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