

Special Issue

Management, Recycling and Reuse of Industrial Waste

Message from the Guest Editors

In recent years, industrial wastes have been attracting scientific interest, as they can potentially be viable sources of valuable raw materials. Advanced techniques, innovative processes, and novel methods must be developed and synergically implemented to increase resilience and efficiency in the supply of raw materials from secondary sources, at the same time reducing the impacts on the environment, favouring the competitiveness of the industrial sector. This Special Issue aims to provide comprehensive research on the recent advances and needs in the management, recycling, and reuse of industrial wastes (including mining wastes) to create a resource-efficient and competitive economy that transforms environmental problems into opportunities. Therefore, new research outcomes concerning industrial waste characterization and sustainable management, the recovery of secondary and critical raw materials through advanced technologies (also biologically mediated) and multidisciplinary approaches, and economic and environmental assessments of resource recovery are particularly welcome, as well as discussions of case studies.

Guest Editors

Dr. Daniela Guglietta

Dr. Stefano Milia

Dr. Giovanna Cappai

Dr. Adalgisa Scotti

Deadline for manuscript submissions

closed (30 April 2023)



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CiteScore 4.4



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

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About the Journal

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,
Germany

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).