



Current and Future Trends in Mineral Processing and Extractive Metallurgy

Guest Editor:

Prof. Dr. Katarzyna Nowinska

Faculty of Mining, Safety
Engineering and Industrial
Automation, Silesian University
of Technology, ul. Akademicka 2,
44-100 Gliwice, Poland

Deadline for manuscript
submissions:

20 July 2024

Message from the Guest Editor

Mineral processing is a branch of science and technology that deals with processing natural and synthetic mineral materials and associated liquids, solutions, and gases to give them desirable properties. It is part of the technological sciences, although it includes elements derived from other fields of knowledge, particularly the natural sciences. Mineral processing is based on separation processes and involves the execution and description of separations and their analysis, evaluation, and comparison. Mineral processing, together with metallurgy, constitutes extractive metallurgy. Extractive metallurgy is a branch of metallurgy that deals with the processing of minerals and concentrates to recover their contained metal values.

This Special Issue will focus on topics that include, but are not limited to, the following:

- Mineral properties and utilization;
- The extraction, separation, and purification of minerals and metals;
- The post-treatment of effluents and tailings;
- The processing of advanced materials via pyro- and hydro-metallurgical routes.





an Open Access Journal by MDPI

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

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.

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 & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)