



Opportunities and Challenges in Mining and Mineral Processes

Guest Editors:

Dr. Yahui Zhang

Dr. Liuyang Dong

Dr. Guang Han

Dr. Zhiwu Lei

Dr. Zixing Xue

Deadline for manuscript
submissions:
closed (20 June 2023)

Message from the Guest Editors

With the depletion of high-quality mineral resources, mining and mineral processing engineers are facing numerous technological challenges, while simultaneously being presented with opportunities for innovation. New technological developments in areas such as sustainable mining processes, mine management, digital technologies in mining, mineral processing equipment and processes, mineral flotation, extractive metallurgy, bioleaching, process optimization and control, secondary metal resources processing, and tailing processing will generate new sustainable approaches for metals and minerals exploitation and supply.

This Special Issue on “Opportunities and Challenges in Mining and Mineral Processes” seeks high-quality works focusing on the latest novel advances in mining and mineral processing technologies. Topics include, but are not limited to:

Sustainable mining equipment and processes;
Mineral processing equipment and processes;
Novel extractive metallurgy processes;
Sustainable processes for refractory ores, secondary metal resources and tailing processing;
Process mineralogy;
Process optimization and digital control.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

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

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

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)