

Special Issue

Sustainable and Advanced Technologies for Mining Engineering

Message from the Guest Editors

The mining industry has a critical role in supplying raw materials for global development and clean energy technologies. However, it is facing mounting challenges related to declining ore grades, increasing operational complexity, and growing environmental and social pressures. Traditional mining methods often struggle to meet the demands for higher productivity, lower environmental impact, and improved safety, particularly in remote or geotechnically complex environments. Furthermore, volatile commodity markets, stricter regulatory frameworks, and stakeholder expectations for transparency and sustainability add layers of uncertainty to mine planning and operations. In response, the mining industry is undergoing a digital and sustainable transformation. Advanced technologies are increasingly being integrated into mining engineering to enhance safety, productivity, and environmental performance. By bridging cutting-edge technological development with sustainable engineering, this SI contributes to the broader goals of advancing knowledge in the fields of mining science, environmental engineering, and industrial innovation.

Guest Editors

Dr. Fuming Qu

Institute of Minerals Research, University of Science and Technology
Beijing, Beijing, China

Dr. Hangxing Ding

Department of Mining Engineering, Northeastern University, Shenyang,
China

Deadline for manuscript submissions

30 September 2026



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/251361

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

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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

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:

CiteScore - Q2 (Chemical Engineering (miscellaneous))