

## Special Issue

# Mineral Processing Equipments and Cross- Disciplinary Approaches

### Message from the Guest Editor

This Special Issue aims to compile cutting-edge research on the development, optimization, and application of equipment used in mineral processing operations. Contributions should address innovations in comminution, classification, gravity separation, magnetic separation, flotation, solid–liquid separation, and tailings management, etc., with an emphasis on enhancing efficiency, reducing environmental impact, and advancing sustainable practices in mineral resource utilization. Keywords

- mineral processing equipment
- crushing/grinding equipment
- gravity separation equipment
- magnetic separation equipment
- flotation equipment
- solid–liquid separation equipment
- tailings dewatering equipment
- smart equipment integration
- energy-efficient designs
- cross-disciplinary approaches

---

### Guest Editor

Dr. Wentao Hu

School of Civil and Resource Engineering, University of Science and Technology Beijing, Beijing 100083, China

---

### Deadline for manuscript submissions

15 November 2025



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/233899](https://mdpi.com/si/233899)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto: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))