

Special Issue

Pyrometallurgical Extraction of Critical Metals for Sustainable Development

Message from the Guest Editors

Critical metals are subject to supply chain risks, but they are simultaneously essential to sustainable development. Key industry sectors and developmental initiatives such as renewable energy transition, advanced manufacturing, aerospace, defense, battery technologies, consumer electronics, electric vehicles, among others, are affected by the supply of critical metals. This Special Issue focuses on the resource identification, pyrometallurgical extraction, separation, and refining of critical metals for sustainable development. Topics include but are not limited to novel/improved processes for the production of:

- Ferroalloy metals: chromium, cobalt, manganese, nickel, niobium, tantalum, titanium, and vanadium;
- Precious metals: gold, silver, and platinum group metals (iridium, palladium, platinum, rhodium, and ruthenium);
- Other non-ferrous metals: aluminum, antimony, bismuth, cadmium, copper, indium, gallium, germanium, lead, lithium, and magnesium.

Guest Editors

Prof. Dr. Mansoor Barati

Dr. Sina Mostaghel

Prof. Dr. Elmira Moosavi-Khoonsari

Deadline for manuscript submissions

closed (31 December 2023)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/138318

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))