Special Issue

Battery Minerals

Message from the Guest Editor

The electrification of large industries, such as automotive and power generation, with the aim of reducing their environmental impact, has resulted in a forecasted demand for batteries with an unprecedented growth. Evidently, this is associated with questions on how sufficient raw materials will be provided to satisfy the ambitious targets set by governments and companies worldwide. New and more efficient technologies are therefore needed for the production and processing of battery minerals. Indeed, the future demand of rechargeable batteries is re-shaping the raw materials field, for example, with valuable metals such as Co no longer considered only as by-products, or the exploration of new sources of Li. In this Special Issue, we aim at bringing together experts working on finding solutions to the impending need for battery materials. Articles dealing with novel findings on extraction and processing technologies of battery raw materials from primary or secondary sources are welcomed. The submission of manuscripts touching on aspects of resource efficiency and circular economy is particularly encouraged.

Guest Editor

Dr. Rodrigo Serna-Guerrero

Department of Chemical and Metallurgical Engineering, Aalto University, PO Box 16200, 00076 Aalto, Finland

Deadline for manuscript submissions

closed (20 September 2020)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/31801

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

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

About the Journal

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

MDPI