Special Issue

Chemical Engineering and Technology in Mineral Processing and Extractive Metallurgy

Message from the Guest Editors

The purpose of this Special Issue is to discuss chemical engineering principles in mineral processing and extractive metallurgy, with particular attention to the transport and chemical reaction processes, and the kinetics and thermodynamics of these processes. Of course, discussions on process intensification methods, such as mechanical reinforcement, ultrasonic, microwave, supercritical, and supergravity, are also welcome. The guest editors expect that a more in-depth discussion on chemical processes and principles can be performed in the Special Issue. Topics include but not limited to

- hydrometallurgy
- flotation
- leaching
- extraction
- ion exchange
- adsorption
- electrolysis
- membrane separation
- unit operation
- transmission
- reaction
- kinetics
- thermodynamics

Guest Editors

Prof. Dr. Shuai Wang

Dr. Xingjie Wang

Dr. Jia Yang

Deadline for manuscript submissions

closed (30 April 2022)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.1

mdpi.com/si/87371

Minerals
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 4.1

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 (Mineralogy) / CiteScore - Q2 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 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 2024).

MDPI