

Special Issue

Heap Leaching of Minerals: Current Applications and New Developments

Message from the Guest Editor

Heap leaching is an established mineral processing technology, utilised to economically extract base and precious metal commodities. The application of heap leaching has benefited from improvements in heap design and engineering, coupled with a greater understanding of fundamental parameters, including leach chemistry, mineralogy, microbiological catalysis, hydrodynamics, gas-flow, heat generation and particle interaction phenomena. The intent of this Special Issue is to inform the wider technical community of recent developments in the application of heap leaching to various commodity resources (including waste products). The application of new technology or studies upon established systems that will improve heap leaching are also welcomed to facilitate improvements in industrial scale processing.

Guest Editor

Dr. Denis Shiers

Mineral Resources, The Commonwealth Scientific and Industrial Research Organisation (CSIRO), Canberra, Australia

Deadline for manuscript submissions

closed (30 November 2020)



Minerals

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.4



mdpi.com/si/36917

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

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





Minerals

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.4



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