



minerals



an Open Access Journal by MDPI

Heap Leaching of Minerals: Current Applications and New Developments

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)

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.



mdpi.com/si/36917

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

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.

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), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Mining & Mineral Processing*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)