Special Issue

Surface Chemistry Aspect of Hydrometallurgical Processing for Metal Recovery from Ores

Message from the Guest Editors

It is our pleasure to announce the launch of a new Special Issue of the *Minerals* journal that will present a set of themed articles on "Surface Chemistry Aspect of Hydrometallurgical Processing for Metal Recovery from Ores". Our Special Issue will cover a broad range of relevant topics of interest, such as various chemical phenomena occurring at surfaces and interfaces during the following hydrometallurgical processing for metal recovery: (1) metal leaching, (2) solvent extraction, (3) adsorption, (4) ion exchange, (5) electrowinning and electrorefining, (6) precipitation, (7) gaseous reduction, and (8) cementation. The Special Issue covers not only hydrometallurgical processing for metal recovery from primary ores but also secondary sources with the potential to serve as a promising feedstock. In addition, the recovery of currently high-demand metals, including critical and rare earth metals, with a focus on the surface chemistry aspect, will be of interest to this Special Issue. We welcome suitable contributions from various interested professionals in this discipline.

Guest Editors

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Dr. Hassan Amini

Dr. Xinbo Yang

Dr. Wencai Zhang

Deadline for manuscript submissions

closed (31 December 2022)

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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

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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).

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