Special Issue

Optimization and Kinetics of Selective Extraction and Recovery of Gold from Primary and Secondary Resources

Message from the Guest Editors

The selective extraction and recovery of gold from primary and secondary resources are critical processes in the field of metallurgy and mineral processing. This Special Issue aims to present the latest advancements in the optimization and kinetics of the selective extraction and recovery of gold. Its focus will be on developing innovative techniques and methodologies that enhance the extraction and recovery rates of gold from various sources, including ores, electronic waste, and other secondary resources. This Special Issue invites submissions that include original scientific research on the following topics:

- Optimization Techniques: Advanced methods for optimizing the extraction and recovery processes
- Kinetics Studies: Detailed kinetic studies that provide insights into the mechanisms and rates of gold extraction and recovery.
- Primary Resources: Innovative approaches for extracting gold from primary sources
- Secondary Resources: Techniques for recovering gold from secondary sources
- Environmental Considerations: Sustainable practices and technologies that reduce the environmental footprint of gold extraction and recovery operations.

Guest Editors

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Deadline for manuscript submissions

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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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Journal Rank:

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

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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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