

Special Issue

Recent Advances in Copper Ore Processing and Extraction

Message from the Guest Editors

Copper is one of the most important metal commodities, with applications in many products which are essential to sustain modern life. To meet its growing demand, production of copper from primary sources is required. Producers, however, are facing challenges due to falling head grades and more complex ore mineralogy. In this Special Issue, recent advances in copper ore processing and extraction are discussed, focusing on:

- innovations in hydrometallurgical, pyrometallurgical, electrometallurgical, and pre-concentration technologies;
- improving copper ore resource efficiency through application of integrated approaches.

This Special Issue aims to bring together studies from academic and industry experts, and contribute to a better understanding of solutions to the current major industrial challenges.

Guest Editors

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Deadline for manuscript submissions

closed (28 January 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.

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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).