Special Issue

Sustainable Production of Metals for Low-Carbon Technologies

Message from the Guest Editors

A high demand for metals (cobalt, copper, gold, lithium, nickel, tin, vanadium, etc.) has been recorded for the past several decades, and this demand is expected to increase even further in the coming decades as the world moves to low-carbon technologies based on renewable energy sources (RESs) and electric vehicles (EVs), and away from the heavy use of fossil fuels...This Special Issue will focus on recent advances in the sustainable production of metals from the abovementioned unconventional sources. Specifically, we will accept research papers, short-communications, and review papers on advancements made in sustainable beneficiation (i.e., gravity separation, magnetic separation, flotation, etc.), the extraction of metals (i.e., atmospheric leaching, bioleaching, pressure leaching, solvometallurgy), environmental remediation, waste management, and e-waste recycling.

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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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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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