Special Issue

Physical Separation and Enrichment

Message from the Guest Editor

Physical separation is one the main methods of recovering valuable minerals from an ore (in addition to flotation and hydrometallurgy). Physical separation includes gravity concentration, classification techniques such as hydrocyclones and air classifiers, solid–liquid separation (e.g., thickeners and clarifiers), magnetic separation, and electronic sorting. This Special Issue will discuss the latest findings of using physical separation in mineral processing. In particular, it will target the optimisation of physical separation methods to recover strategic metals, including rare earth elements. Papers from both academia and industry are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (25 October 2019)

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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)

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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