

Special Issue

Prospecting, Processing and Evaluation of Mineral Raw Materials

Message from the Guest Editors

Recent developments in global markets are forcing developed societies to change their vision of mineral raw materials, with a special focus on sustainable exploitation and remining. All roadmaps to eco-efficient and low-C intensity economies stimulate the reliance on a large number of metals, whose demand cannot fully met on the basis of reuse, recycling, and/or substitution practices. Digital technologies of massive use reinforce tendencies toward the establishment of metal-intensive economies. ... All topics related to the life cycle of primary raw materials are welcome: fundamental geological (regional and local) knowledge; the availability of minerals; prospection and recognition; study of potential environmental impacts; exploitation of mineral deposits; treatment and beneficiation, processing; the disposal, treatment, and recycling of mineral wastes; decommissioning, closure and abandonment; geoenvironmental technologies; and any supporting science or technology, such as geodynamics, basin analysis, rock mechanics, geophysics, geochemistry, and geostatistics.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2020)



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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 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 2024).