Special Issue

Mineralogy, Trace Elements and Isotopic Tracers in Archaeometallurgy

Message from the Guest Editor

One of the main goals of archaeometallurgy deals with the possibility to trace back the provenance of metal objects as well as of row metals and minerals employed in the metallurgical chain for the reconstruction of ancient commercial routes. In addition, many types of "technological traces" have been demonstrated also to be useful tools to investigate metallurgical processes parameters. This Special Issue will focus on the employment of mineralogical, chemical, and isotopic traces in archaeometallurgy for both provenance and technological applications. These aspects of archaeometallurgy also benefit from advanced analytical methods that allow non- or micro-invasive sampling procedures and from multi-analytical techniques, thus encouraging advanced multi-traces strategies for ancient metallurgy characterization.

Guest Editor

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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).

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