

Special Issue

Exploring Mining Landscapes: Reconciling Past and Present of Mining Activity

Message from the Guest Editor

The recent growth of technological applications has led the mining sector to a rapid development. Remote sensing technologies based on LiDAR and UAVs-derived data have efficiently contributed to change the mining prospection and research fields. These methods enable the rapid mapping of potential mining sectors in remote areas or densely vegetated, promoting more efficient and secure exploitation practices. Besides, the combination of new technologies and historical background sheds light on ore bodies' study and the evolution of mining practices. Historical mining sectors provide vital information for ore bodies exploration, leading to the discovery of some of the most outstanding mines like the Pyrite Belt in Spain, the iron mines in Wales and the gold mines in California. This Special Issue is intended to publish original works focused on different technologies and sensors implemented to explore past and current mining scenarios. The development of prospection methods and analysis of mining landforms and other anthropic remains based on remote sensing, geologic or geomorphologic information that aims to identify potential exploitation sectors are also welcome.

Guest Editor

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Deadline for manuscript submissions

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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).