

Special Issue

Smart Exploration of Critical Minerals: Integrating Multi-Source Data for Enhanced Mineral Prospectivity Mapping

Message from the Guest Editors

The global demand for critical minerals, driven by technological advances and the shift to renewable energy, necessitates innovative exploration techniques. Traditional methods often fall short in addressing the complexities of locating these essential resources. Smart mineral exploration, utilizing cutting-edge technologies, offers a solution by integrating multi-source data to enhance mineral prospectivity mapping.

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About the Journal

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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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