Special Issue

Feature Papers in Mineral Exploration Methods and Applications 2025

Message from the Guest Editor

This Special Issue, "Feature Papers in Mineral Exploration Methods and Applications 2025", will focus on recent developments in mineral exploration methods and their applications in studying mineral deposits. The Special Issue will present by-invitation-only original research and review papers from prominent researchers in the field of mineral exploration, including geological, geophysical, geochemical methods, and remote sensing. Contributions on historical, technical, and practical aspects of exploration for mineral deposits will be highlighted. We invite contributions especially those emphasizing emerging mineral exploration techniques and novel interpretation schemes, including machine learning and AI-added data analysis. Finally, papers on novel methods of mineral resource prospecting and their application, including mathematical aspects of multiple data processing and joint interpretation and examples of successful case studies will also be welcomed. The main focus of this Special Issue will be on presenting the key technical and scientific advances that will improve exploration success and lead to the discovery and successful development of mineral deposits.

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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
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Author Benefits

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indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

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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