

Special Issue

Novel Methods and Applications for Mineral Exploration, Volume III

Message from the Guest Editor

The first two volumes of the Special Issue "Novel Methods and Applications for Mineral Exploration" were very successful, mostly due to providing a pertinent insight into the current state of mineral exploration, the latest technological developments, and the future directions exploration methodology. It can be observed that the main avenues of progress are the availability of novel computing capabilities (e.g., machine learning, artificial intelligence, big data), which mostly benefit geophysics, and novel analytical methodologies (e.g., LIBS, increased portability, and automation of data collection and interpretation). Given the current extraordinary acceleration in the development of exploration theory and practice, there is an evident need for another instalment of this Special Issue. We will welcome manuscripts that cover the broadest range of technological and theoretical developments in mineral exploration, including, but not limited to, geophysics, geochemistry, and computational technology. Manuscripts covering an extensive array of deposit types, commodities, and geographic regions will be considered.

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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Prof. Dr. Leonid Dubrovinsky

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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).