Special Issue

Mineral Deposits Related to Mantle Rocks

Message from the Guest Editor

Mantle rocks host important mineral deposits that are not yet well constrained in terms of both genesis and exploration. These deposits underwent a hard to unravel sequence of very different processes, leading to their present-day features. These comprise but are not limited to mantle magmatism and metasomatism, CO2 and/or water-rich fluids percolation, extensive ductile and fragile deformation, erosion, weathering, and pedogenesis. Exploration targeting in this environment is a major challenge as mineralogical, geochemical, or structural clues are often fuzzy and misleading, and the primary picture is usually obliterated by a long and intricate tectonic and metamorphic history. [...]
This Special Issue invites contributions that can provide new insights into the formation, modification, remobilization, and environmental concern of mantle rocks-related mineral deposits. Contributions on exploration targeting and beneficiation technology improvements are also welcome. For further reading, please visit the Special Issue website at: https://www.mdpi.com/journal/minerals/special_issues/Mantle_Ores

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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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