



Mineral Deposits Related to Mantle Rocks

Guest Editor:

Dr. Giovanni Grieco

Department of Earth Sciences,
University of Milan, 20133 Milan,
Italy

Deadline for manuscript
submissions:

closed (29 February 2020)

Message from the Guest Editor

Dear Colleagues,

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

Prof. Dr. Giovanni Grieco

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)