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Igneous Complex and Mineralization in Subaerial and Submarine Contexts

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Deadline for manuscript submissions:
closed (30 April 2022)

Message from the Guest Editors

Dear Colleagues,

This proposed Special Issue aims at collecting original papers focused on large environments in which minerals, mineralization, and exploitable deposits form in response to the emplacement and evolution of igneous complexes. Our Special Issue will cover a broad range of relevant topics of interest, including:

1. Petrogeochemical constraints on deposit formation;
2. Ore system mineralogy associated with layered intrusions;
3. Minerogenetic processes associated with mafic–ultramafic complexes;
4. Mineralization of metallogenic deposits related to fluid flows mobilized during felsic intrusion emplacement;
5. New species or varieties of PGM and unusual PGE-rich phases or associations;
6. Submarine hydrothermal-related mineralization (e.g., massive sulphide deposits, silicacarbonate microbialites, manganese and iron crusts) as potential proxies for deposits of economic interest;
7. Igneous and metamorphic rock wastes from quarrying as potential geomaterials for the extraction of industrial minerals of interest for sustainable economy.

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Special Issue

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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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