

Special Issue

Magmatic-Hydrothermal Systems through Time

Message from the Guest Editors

Magmatic-hydrothermal systems encompass a range of mineralizing styles, including porphyry, greisen, iron-oxides-copper-gold (IOCG), reduced intrusion-related gold systems (RIRGS), and syenite-associated (also referred to as IRGS) and polymetallic veins, and are major sources of Cu, Au, Mo, W, Sn, Li, REE, etc.

Mineralizing fluids are exsolved from magmatic systems and their characteristics are thus dependent on the chemistry of the source magma. The chemistry of the magma, in turn, is dependent on the petrogenesis of the magmatic system, parameters that can be related to geodynamic settings and secular variations in the crust/mantle composition. The goal of this Special Issue is to put together geochemical, mineralogical, petrological, or other contributions that provide insight into the characteristics of magmatic-hydrothermal systems and the associated magmatic systems (petrogenesis and physico-chemical parameters). A comparison of the Archean with Proterozoic and modern settings are welcomed. Multi-scale studies that integrate investigations into mineralizing processes from the scale of the deposit to the regional scale are also welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (18 February 2022)



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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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