



Sustainable Exploration and Development of Precious Metal Mineral Resources

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Message from the Guest Editors

Dear Colleagues,

Precious metal mineral resources (Au, Ag, Pt, Pd, Rh, Ir, Ru, Os) are important to the sustainable development of society. This Special Issue focuses on three cross-research directions related to precious metal mineral resources and sustainability. First, the global-to-regional distribution and genesis of precious metal mineral resources. Second, sustainable exploration and development using advanced technology, including the following: 3D digital geophysical and geochemical exploration models, especially using big data sets, deep drilling and mining, and comprehensive recovery of precious elements from waste products. Third, environmental issues related to the development and utilization such as treatment of surface-groundwater, and disasters caused by the exploration and development of precious metal mineral resources. This Special Issue will collect papers regarding the distribution, genesis, exploration and development of precious metal mineral resources and related environmental protection problems on the abovementioned issues. Contributions are welcomed on the intersection of precious metal mineral resources and sustainable development.





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Editor-in-Chief

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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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