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Selenide Mineralization

Guest Editor:

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Deadline for manuscript submissions:
closed (15 December 2020)

Message from the Guest Editor

Dear Colleagues,

Selenide minerals have attracted the interest of mineralogists and crystallographers since the discovery of selenium by Jöns Jacob Berzelius in 1817. Nowadays, selenide minerals and inorganic compounds are inspiring objects of investigation, not only for mineralogists, crystallographers, geochemists, and spectroscopists, but also for chemists, who synthesize a large number of compounds inspired by their potential application as thermoelectric materials or semiconductors for photovoltaic devices, etc. The conditions of the formation of selenide minerals are known in general; however, many questions remain, such as the sources of selenium and accompanying elements, the composition of hydrothermal fluids, and the P-T-X conditions of their formation.

This Special Issue welcomes contributions on selenide mineralogy, geochemistry, and economic geology, helping to describe the crystal-chemistry of such a compound, its variable geochemistry (including Se-S substitution), and to give further insights into the ore processes related to the formation of selenium-bearing ore deposits.

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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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