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Mineralogy of Quartz and Silica Minerals

Guest Editor:

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Deadline for manuscript submissions:
closed (28 February 2018)

Message from the Guest Editor

Dear Colleagues,

The various modifications of silica, especially quartz, play a central role in the composition of geological materials. In addition, quartz is widely used as raw material in numerous industrial fields. Therefore, the knowledge about specific properties of SiO_2 rocks and minerals is indispensable for the understanding and reconstruction of geological processes, as well as for specific technical applications. This Special Issue aims to bring together studies dealing with the formation, mineralogy and geochemistry of quartz and other silica minerals. These topics include the formation of quartz deposits and problems of processing, aspects of the analysis of high-purity quartz, as well as specifics of SiO_2 modifications and varieties (e.g., opal, chalcedony, agate, quartz).

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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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