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Zr-minerals

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Deadline for manuscript submissions:
closed (15 July 2019)

Message from the Guest Editors

Dear Colleagues,

We have the pleasure of inviting you to participate in a Special Issue of *Minerals* devoted to zirconium minerals. Zirconium is a very interesting and truly paradoxical chemical element from the mineralogical and geochemical viewpoints: being a rare element (its content in the Earth's crust is *ca.* 0.02 wt.%), Zr is known as a species-defining constituent of more than a hundred minerals, and some of them form huge and rich deposits, with resources of many millions of tons. Most zirconium minerals are silicates and oxides, which demonstrates the great diversity of crystal structures and physical properties. Zirconosilicates of the eudialyte group have the most complicated structures among all known natural inorganic compounds. Zirconium minerals possess many technologically important properties and are in wide use in different branches of modern industry. The increase of knowledge in the fields of crystal chemistry, properties, and the genesis of zirconium minerals is undoubtedly important for the development of both Earth and materials science.

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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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Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

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