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Minerals of the Southern Grenville Province

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Deadline for manuscript submissions:
closed (24 January 2020)

Message from the Guest Editors

Dear Colleagues,

The southern Grenville Province is widely recognized for its mineral specimens, diversity, and associated deposits. Many samples grace private collections and museums worldwide and serve as a source of garnet, wollastonite, talc, titanium, and other commodities derived from world-class mineral deposits. Occurrences known for more than a century continue to yield exceptional specimens and new mineral species, while others have been lost to time. Grenville minerals are known for their size, variety, unique geologic settings, and abundance, providing insight into the unique geological processes that formed them. Environments range from the deep orogenic crust, to alkaline intrusions and carbonatite, massif anorthosite and related rocks, iron deposits, vein-dykes, skarns, shear zones, and vast areas underlain by thick metamorphosed calc-silicate, carbonate rocks, and evaporitic rocks, among others. This Special Issue invites papers that explore the paragenesis of minerals and mineral deposits from the southern Grenville Province of Quebec, Ontario, and New York.

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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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