



Rare-Metal Granites

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Message from the Guest Editor

Dear Colleagues,

Rare-metal granites, essentially A-type granites and peraluminous muscovite granites, host some of the most important deposits of rare metals, generally as high-tonnage, low-grade deposits. Much progress has been made in understanding this type of deposit, especially with the advent of analytical and geochronological techniques in the last 10 years, e.g., LA-ICP-MS, but there are still open questions that are poorly understood. For example, it is not clear how the particular geochemistry of rare-metal granites is achieved, what is their parent magma, or is a protolith of particular composition favors development of rare-metal rich granites. The genesis of rare-metal enrichment is poorly understood and many processes have been proposed including: fractional crystallization, liquid immiscibility, chemical quenching, zone refining, magma mixing, gas-driven filter pressing, and fluid phase exsolution by undercooling or by first or second boiling, triggering the magmatic-hydrothermal transition. This Special Issue aims to bring together a series of papers that will help to address these and other open questions.





Editor-in-Chief

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Message from the Editor-in-Chief

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