



Distribution and Segregation of Trace Elements in Hydrothermal Systems

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Message from the Guest Editors

Despite the comprehensive development of computer modeling of natural systems, many important questions remain unsolved. We still fail to reliably explain the ratios of trace elements (TE) observed in minerals even in widespread minerals of hydrothermal, sedimentary–hydrothermal, and other ore-forming systems. Little attention has been given to TE fractionation into real mineral crystal bearing different structural imperfections (defects) ... This Special Issue will focus on the regularities of TE behavior in hydrothermal systems, including but not limited to topics such as prediction of TE contents in hydrothermal minerals crystallized from aqua-salt solutions; restoration of paleofluid composition in respect of TE using the minerals of variable composition; analysis of TE entrapment by real mineral crystals containing structural imperfections; experimental and theoretical grounds for ultralow-content element distribution; and partitioning of highly incompatible elements between minerals and solutions (fluids).





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Message from the Editor-in-Chief

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