



Magmatic-Hydrothermal Ore Deposits

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Message from the Guest Editors

Many factors are important for the formation of the magmatic-hydrothermal deposits, mainly the geotectonic environment, the regional structural control, the petrography and geochemistry of the magmatic and the neighboring rocks, the fluid composition, the hydrothermal alteration, the distribution, shape and size of ore bodies, the ore mineral paragenesis, textures and chemistry, and many others. These factors affect the exploration projects and the mining and metallurgical processes of the companies which invest considerable amount of capital to extract the metals from deep the Earths' crust. They are based on the knowledge obtained from studies so far, and the models of ore formation, but further research on these types of mineralization are required.

This Special Issue welcomes contributions on original research which presents new data from magmatic-hydrothermal metallic mineral deposit systems, focusing mainly on the formation conditions and the relation with the geotectonic setting. Mineralogy, petrography, geochemistry, isotopic geochemistry, mineral chemistry and fluid inclusions are the most appropriate methods for this approach.





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

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