

Special Issue

Magmatic-Hydrothermal Ore Deposits

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.

Guest Editors

Prof. Dr. Vasilios Melfos

Department of Mineralogy, Petrology and Economic Geology, Faculty of Geology, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Prof. Dr. Panagiotis Voudouris

Faculty of Geology & Geoenvironment, National and Kapodistrian University of Athens, University Campus, GR-15784 Athens, Greece

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MDPI, Grosspeteranlage 5
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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.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,
Fairbanks, AK, USA

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