

Special Issue

Application of New Geochemical Analytical Techniques to the Understanding of the Genesis of Epithermal Au-Ag Deposits

Message from the Guest Editors

Epithermal ores have accounted for approximately 12% and 20% of the respective historic total world gold and silver production. Although epithermal ores are spatially associated with coeval volcanism, debate on their formative processes has been ongoing during the 100+ years that they have been recognized as a distinct class of ore deposits. The discovery of new deposits and the advent of new analytical tools have led to recent advances in the understanding of the genesis of these deposits, but no consensus on the nature of or combination of genetic processes involved in their genesis has yet emerged. Consequently, a special issue of the peer-reviewed, open-access journal *Minerals* is proposed to provide a forum for presenting new data on epithermal ores, focusing primarily on new geochemical techniques and data. [...] Keywords: epithermal Au-Ag deposits; geochemical analytical techniques; non-traditional isotopes; nanoparticles; porphyry-to-epithermal transition For further reading, please visit the Special Issue website at: https://www.mdpi.com/journal/minerals/special_issues/Epithermal_Deposits

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Deadline for manuscript submissions

closed (15 October 2019)



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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).