



Understanding Hydrothermal Ore Deposits: Insights from In-situ Analyses

Guest Editors:

Prof. Dr. Kunfeng Qiu

State Key Laboratory of
Geological Processes and Mineral
Resources, School of Earth
Science and Resources, China
University of Geosciences, Beijing
100083, China

Dr. Callum Hetherington

Department of Geosciences,
Texas Tech University, Lubbock,
TX 79409-1053, USA

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Message from the Guest Editors

Dear Colleagues,

Ore deposits continuously provide a mass of valuable resources for human society. With the development of analytical instruments, high-precision in situ analysis has been a critical means of understanding hydrothermal ore deposits. This provides us a unique window for investigating various aspects of ore deposits, ranging from the tectonic background, source and evolution of ore fluids, to mineralization factors (e.g., P-T-X conditions, the redox environment, and the water content). This Special Issue is focused on relevant topics, including but not limited to (1) exploration and deposit geochemistry; (2) the mineral chemistry of ores, gangue minerals, and accessory minerals that hold significant clues about metal deposition; (3) the geochronology of ore deposits; and (4) the application and development of in situ analyses in ore-deposit-related studies.





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Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

Message from the Editor-in-Chief

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Minerals Editorial Office
MDPI, St. Alban-Anlage 66
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