

Special Issue

Mineralization in Subduction Zone

Message from the Guest Editors

Subduction zones are the most important areas of mineralization. Different types of ore deposits occur in these zones, and have different temporal and spatial distribution, controlled by the properties of ore-forming elements. The thermal state of the subduction zone, the fluid composition and oxygen fugacity at different subduction depths, and the type of subducted sediments all affect the process and type of mineralization. The purpose of this Special Issue is to provide a platform for discussing the most recent developments in deposit exploration as well as mineralization processes and mechanisms in subduction zones. High-quality papers on creative views, novel methods, and practical applications are welcomed. This Special Issue is focused on relevant topics, including but not limited to: (1) high-precision geochronology of ore deposits; (2) application of new geochemical methods to the study of ore deposits; (3) progress in the application of accessory minerals in the study of ore deposits; and (4) deposit exploration in subduction zones.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)



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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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Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).