

Special Issue

Recent Developments in Ar/Ar and U-Th-Pb Geochronology and Its Applications

Message from the Guest Editors

Over the last 40–50 years, significant advances have been made in the measurement, analysis, and applications of U-Th/Pb and Ar isotopes through improvements in imaging, data analysis, mass-spectrometer technology, and the micro/nanoanalysis of minerals. This Special Issue invites submissions in the fields of U-Th/Pb and Ar/Ar geochronology which highlight any of these improvements and advances. Studies may be conducted in any field of geology (e.g. petrology, economic geology, structural geology, tectonics) and may be multidisciplinary in scope. Studies that feature novel applications or new methodologies are also particularly encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (22 September 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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