Special Issue

Detrital Minerals Geochronology Applied to Tectonics and Paleogeography

Message from the Guest Editors

This Special Issue focuses on detrital mineral geochronology. Geochronology of detrital minerals is a rapidly developing analytical tool in Earth science research due to the widespread occurrence of zircons, apatites, rutiles, and other minerals in the sedimentary record. U-Pb ages can be used to constrain the age of sedimentation of the host sediment, reconstruct sediment transport pathways and provenance areas, and characterize different aspects of the geological evolution of source regions. For this Special Issue, we invite authors to submit papers on the geochronological dating of detrital minerals and their application for understanding tectonics and paleogeography. Papers covering different aspects of the methodology of data acquisition and interpretation are welcome, too.

Guest Editors

Dr. Victoria B. Ershova

Dr. Artem V. Moiseev

Prof. Dr. Andrey Khudoley

Deadline for manuscript submissions

closed (25 January 2022)

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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.

Editor-in-Chief

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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).

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