Special Issue

Microtexture Characterization of Rocks and Minerals

Message from the Guest Editor

Microtextures, the physical or structural aspects of minerals and rocks, may include the interrelationships of minerals, the preferred orientation of grains, the internal textures of minerals, etc., which reflect the histories of crystallization, dissolution–precipitation, and deformation of minerals...such as FE–SEM–BSE imaging, 3D micro-CT imaging using synchrotron, and microscale elemental mapping of trace elements using LA–ICP–MS, are being developed and used for characterizing various microtextures with high resolution quality. In the light of these considerations, this Special Issue invites the latest advances in the microtextural characterization of minerals and rocks in order to understand their forming processes. Consequently, submissions dealing with microtextural aspects of minerals and rocks are welcome and encouraged.

Guest Editor

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Deadline for manuscript submissions

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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).

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