

Special Issue

Lattice-Preferred Orientation and Microstructures of Minerals and Their Implications for Seismic Anisotropy

Message from the Guest Editors

We welcome papers that describe LPOs and deformation microstructures of minerals and rocks in the crust and mantle, and that give fresh insight into how LPO and microstructures develop and evolve through time, reflect deformation conditions, and influence large-scale geodynamic processes. We encourage contributions from field observations, laboratory experiments, and numerical modeling on geologic materials over a wide range of conditions, length scales, and time scales.

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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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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).