

Special Issue

Petrophysical Characteristics of Naturally Deformed Rocks

Message from the Guest Editors

Dear Colleagues and friends, Petrophysical properties of rocks and their anisotropy are fundamental aspects when a comprehensive framework of rock properties is needed. Naturally deformed rocks commonly show macroscopic fabrics characterized by typical features (e.g., CPO and SPO, microfractures, banding) that allow determining characteristics of the dominant stress field. Deformed rocks therefore represent an interesting opportunity to study tectonic processes or fluid migration. This Special Issue welcomes articles on the following main categories: - Understanding/modeling the relationships between rock fabric and measured anisotropy and method development; - Application of anisotropy measures to interpret geodynamics/tectonics/fluid migration; - Correlations between different types of anisotropy.

Guest Editors

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Deadline for manuscript submissions

closed (18 December 2021)



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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).