

Special Issue

Mineral Materials

Message from the Guest Editor

Mineral materials is an interesting and multiple-subject intersectional field, which is focused on advanced functional materials from natural minerals, including their physicochemical aspects, microstructure investigations, functional design, computational simulations, and corresponding applications in energy and environmental fields. The general methods for tailoring mineral materials include surface modification, functional loading, doping and structure reformation for natural minerals. Especially, functional modification refers primarily to surface loading, grafting, structure adjustment, and doping, which could selectively change the surface structure, charge, adsorption and reactivity properties of minerals. Density functional theory (DFT) calculations can analyze the electronic structure and energy changes of mineral materials.

Guest Editor

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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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Prof. Dr. Leonid Dubrovinsky

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JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).