

Special Issue

Electron Microbeam and X-ray Techniques: Advances and Applications

Message from the Guest Editors

This Special Issue is about electron microbeam and X-ray techniques, and their latest advances and applications in characterizing natural and synthetic materials, such as minerals, rocks, mineral deposits, teeth and bones, and other biological materials or biomaterials. It will cover a wide range of related topics, including but not limited to scanning electron microscopy (SEM), environmental scanning electron microscopy (ESEM), electron probe microanalysis (EPMA/WDS/EDS), electron backscattered diffraction (EBSD), transmission electron microscopy (TEM), scanning transmission electron microscopy (STEM), electron energy loss spectroscopy (EELS), powder X-ray diffraction (XRD), and sample preparation methods.

Dr. Shui-Yuan Yang

Guest Editors

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Deadline for manuscript submissions

closed (15 December 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

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 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).