Special Issue

Modern Luminescence Spectroscopy of Minerals

Message from the Guest Editor

Laser based spectroscopy has become an integral part of the routine analytical tools applied in mineralogy. Increased, and currently still even further increasing, use of different kinds of spectroscopy is favored by a number of aspects, including the availability of reliable spectrometer systems in many institutions worldwide. A shortcoming, however, still exists, namely, the limited availability of comprehensive and dependable spectrum databases comprising modern spectroscopy spectra. Researchers often are obliged to do troublesome literature searches, in order to find reliable references backing up their own analytical findings and interpretations. The following fields will be covered: laser induced time resolved luminescence, optically stimulated luminescence, Laser Induced Breakdown Spectroscopy (LIBS), Infrared spectroscopy, Raman Spectroscopy. Special manuscripts will be devoted to combination of laser-based spectroscopy with other techniques, such as optical spectroscopy, laser ablation techniques and electron paramagnetic resonance (EPR).

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2019)

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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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