Special Issue

Laser-Induced Breakdown Spectroscopy (LIBS) Applied to Determination of Rare Earth Elements and Critical Minerals

Message from the Guest Editor

Laser-induced breakdown spectroscopy (LIBS) is an atomic emission spectroscopy-based analytical technique in which an energetic laser pulse interacts with a test material to produce a plasma. The light emitted by this plasma is collected as spectra in order to obtain the required information about the material. LIBS is equally applicable to solids, liquids, gases, and aerosols. While other analytical techniques require long data processing times and test samples to be brought to a laboratory, LIBS can be used in the field to obtain results in minutes without any sample treatment. We invite all researchers working in the field of applied spectroscopy to submit their research findings to the Special Issue "Laser-Induced Breakdown Spectroscopy (LIBS) Applied to Determination of Rare Earth Elements" in *Minerals*. Theoretical or experimental attempts at something novel, improvements to existing approaches, or results in the field of spectroscopy may all be submitted.

Guest Editor

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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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