

## Special Issue

# LA-ICP-MS and LIBS Applied to Minerals

### Message from the Guest Editors

We are welcoming the submission of manuscripts to a Special Issue of *Minerals* that focuses on recent developments in all aspects related to high-resolution, in situ, laser-ablation-based analyses of different (bio)minerals. While the focus will be on Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS), we also invite contributions dealing with Laser-Induced Breakdown Spectroscopy (LIBS) research. The goal of this Special Issue is not only to capture research using these techniques to decipher many geological processes: we will also welcome submissions on the latest methods for data acquisition, standardization, quantitative and qualitative elemental and isotopic analysis and mapping/imaging, novel data reduction schemes including machine-learning and artificial intelligence, the automation of analytical and data reduction protocols, geochronology, and the development of data bases for integrating data with existing data sets for different (bio)minerals.

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### Guest Editors

Dr. Achim Herrmann

Department of Geology and Geophysics, Louisiana State University, Baton Rouge, LA 70803, USA

Dr. John T. Haynes

Department of Geology and Environmental Science, James Madison University, Harrisonburg, VA 22807, USA

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### Deadline for manuscript submissions

closed (30 April 2025)



## Minerals

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*Minerals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
minerals@mdpi.com

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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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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,  
Germany

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

#### 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 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).