



## Gemstone Analysis by Spectroscopy and Microscopy, Volume II

Guest Editor:

**Dr. Thomas Hainschwang**

GGTL Laboratories Liechtenstein,  
Gnetsch 42, 9496 Balzers,  
Liechtenstein

Deadline for manuscript  
submissions:

**closed (15 May 2023)**

### Message from the Guest Editor

The analysis of gemstones used to be a task mostly performed on basic optical instruments such as refractometers by gemmologists. This has changed significantly over the past several decades, and gem testing has become a highly sophisticated field of science that combines mineralogy, geology, chemistry, and physics.

This Special Issue focusses on the spectroscopic and microscopic analysis of gemstones, including all types of spectroscopic and microscopic techniques used in the characterisation of gem materials. Papers are welcome that cover new analytical results obtained from testing gem materials by spectroscopy and/or microscopy, including new or little-exploited methods. Such results may include—amongst others—the characterization of specific gem materials, defect characterization of gemstones, the characterization and identification of gem treatments, and the application of new or little-exploited spectroscopic or microscopic analytical techniques. Submitted papers may cover any type of gem material, including natural, synthetic and artificial gemstones, untreated and treated.





## Editor-in-Chief

**Prof. Dr. Leonid Dubrovinsky**

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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

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

**Journal Rank:** JCR - Q2 (*Mining & Mineral Processing*) / CiteScore - Q2 (*Geology*)

## Contact Us

---

*Minerals* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/minerals](http://mdpi.com/journal/minerals)  
[minerals@mdpi.com](mailto:minerals@mdpi.com)  
[X@Minerals\\_MDPI/](https://twitter.com/Minerals_MDPI/)