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Mapping of Rocks and Minerals Using Hyperspectral Remote Sensing, 2nd Edition

Guest Editors:

Prof. Dr. Shanjun Liu
College of Resources and Civil Engineering, Northeastern University, Shenyang 110819, China

Prof. Dr. Nisha Bao
Department of Geomatics Engineering, Northeastern University, Shenyang 110167, China

Dr. Lianhuan Wei
College of Resources and Civil Engineering, Northeastern University, Shenyang 110819, China

Deadline for manuscript submissions:
18 October 2024

Message from the Guest Editors

This Special Issue provides a platform for researchers to discuss and exchange their ideas and results related to the above topics. Our Special Issue will cover a broad range of relevant topics of interest, such as:

1. Spectral measurement of rock and mineral and data processing;
2. Influencing factors and mechanism of rock and mineral spectrum;
3. Construction of rock and mineral spectrum library;
4. Hyperspectral image processing method of rock and ore;
5. Rock spectral unmixing algorithm;
6. Hyperspectral satellite data application in rock and mineral mapping;
7. Ground-based hyperspectral imaging for mining applications;
8. Airborne hyperspectral survey system and geological application;
9. Spectral processing methods for geological remote sensing.

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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.

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Contact Us

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

Tel: +41 61 683 77 34
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