Special Issue

Analytical Spectroscopic Techniques: Applications on Minerals and Organic Matter in Soils and Sediments

Message from the Guest Editors

Soils play essential roles in most of Earth's processes due to their participation in global climate regulation and main biogeochemical cycles. These involve pedogenetic processes that transform rocks and sediments, whose characteristics are influenced by combinations of soil formation factors such as the source material, climate. Soil organic matter (SOM) has a particularly important role in environmental sustainability, since it is related to carbon and nutrient cycling. This Special Issue of Minerals, entitled "Analytical Spectroscopic Techniques: Applications on Minerals and Organic Matter in Soils and Sediments", will focus on the fundamentals and applications of geochemical processes that occur in soils and sediments.

Guest Editors

Prof. Dr. Gustavo Nicolodelli

Dr. Amanda Tadini

Dr. Giorgio S. Senesi

Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

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Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

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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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