



Geomaterials and Cultural Heritage

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Message from the Guest Editors

Dear Colleagues,

Materials of mineral origin have always been exploited by humanity to meet its technological, cultural and artistic needs. The study of geo-materials is, therefore, fundamental to trace the evolution of geo-resource exploitation, trade routes and manufacturing techniques across the centuries.

This Special Issue focuses on the interconnection between geomaterials (including ceramics, stones, metals, gemstones, mineral pigments, glasses, etc.) and cultural heritage, with specific attention to the study of museum collections. Contributions from Earth Sciences, Heritage Science, Materials Science, Museum Studies and related disciplines are invited to advance our knowledge and conservation practices.

Topics of interest include, but are not limited to, the following:

- Analytical characterization of geomaterials of archaeological, artistic or naturalistic value to acquire information on manufacturing techniques, provenance of raw materials and authenticity;
- Study of the exploitation of mineral deposits in the pre-industrial world;
- Characterization and conservation of geomaterials in museum collections;
- Innovative techniques and methodologies for studying geomaterials of cultural interest;
- Study of degradation processes and sustainable and eco-friendly conservation approaches.

We invite researchers to contribute to this Special Issue, which we hope will foster a deeper understanding of the materials that shape our heritage and promote sustainable practices to preserve them for future generations.





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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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