



an Open Access Journal by MDPI

## Advanced Characterization Approaches Applied to the Field of Cultural Heritage: From Conservation to Divuligation

Guest Editors:

**Prof. Dr. Mario J. Muñoz  
Batista**

Department of Chemical  
Engineering, Faculty of Sciences,  
University of Granada, Avda.  
Fuentenueva, s/n, 18071  
Granada, Spain

**Dr. Ana Isabel Calero-Castillo**

Department of Painting, Faculty  
of Fine Arts, University of  
Granada, Avda. Fuentenueva,  
s/n, 18071 Granada, Spain

Deadline for manuscript  
submissions:

**closed (20 October 2025)**

### Message from the Guest Editors

Dear Colleague,

Characterizing cultural goods is an open line of research with many challenges to solve. The complexity and deterioration of the materials used, the lack of knowledge of the oldest preparation protocols, and the loss of traditional recipes greatly hinder the interpretation of the results obtained by the characterization techniques.

This Special Issue aims to present recent advances in the utilization of material characterization techniques that can provide information for the knowledge, conservation, and dissemination of heritage, from traditional techniques that include chemical, morphological, electronic, and optical characterization to the most innovative methodologies based on non-destructive or microinvasive techniques.

We kindly invite you to submit manuscripts for this Special Issue. Full papers, communications, perspectives, and reviews are all welcome.

The proposed topics include, but are not limited to, the following:

Chromatographic methods.

Spectroscopic techniques.

Microscopy.

Non- and micro-destructive techniques.

Conservation and restoration of cultural heritage.

All characterization methods or methodologies applied to heritage.



[mdpi.com/si/211282](https://mdpi.com/si/211282)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## 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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)