



## Application of Materials Science in the Study of Cultural Heritage

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Deadline for manuscript  
submissions:

**closed (15 February 2022)**

### Message from the Guest Editors

Dear Colleagues,

The application of advanced techniques to the study of ancient materials has increasingly led to a range of fundamental to deeper knowledge of artistic and historic artefacts, contributing to their conservation and restoration. Scientific techniques developed in materials science allow a multidisciplinary approach in archaeology, history of art, and conservation.

This Special Issue is intended to collect papers dealing with the applications of materials science to the different types of human artefacts such as ceramic, glass, paintings, and metals objects. The considered topics can range from instrumentation and technical developments to case studies and methodological innovations, from theoretical simulations to new data handling. All the characteristic analytical methods of materials science will be considered: imaging techniques (IRR, RX, tomography); traditional as well as innovative dating techniques such as luminescence (TL, OSL, RL (radioluminescence)), radiocarbon, RHX (re-hydroxylation); and spectroscopic techniques (PIXE, Raman, FTIR, UV-vis reflectance spectroscopy) and their synergic association.

Prof. Dr. Marco Martini

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Guest Editors





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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