

Special Issue

Non-Destructive Techniques for Heritage Conservation

Message from the Guest Editors

Heritage conservation is vital to preserving cultural and historical artifacts for future generations. Non-destructive techniques (NDTs) have emerged as indispensable tools in this field, offering innovative methods to assess, monitor, and protect heritage materials and structures in a non-invasive way. These techniques allow for researchers and conservators to gain comprehensive insights into the structural, chemical, and physical properties of artifacts, as well as their degradation processes and the effects of past conservation efforts. They are applicable to a diverse range of heritage materials and structures, including ancient monuments, stone, metals, ceramics, glass, canvas paintings, frescoes, murals, delicate manuscripts, and more. By combining advanced NDTs, informed decisions can be made about sustainable preservation strategies. This Special Issue invites contributions that highlight novel applications, interdisciplinary methodologies, and cutting-edge advancements in non-destructive techniques for heritage conservation, emphasizing their role in safeguarding cultural legacies in the face of environmental challenges and aging processes.

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Deadline for manuscript submissions

30 August 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/228287

Applied Sciences
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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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