Special Issue

Application of Digital Technology in Cultural Heritage

Message from the Guest Editors

The preservation, restoration, and study of cultural heritage have long relied on innovative techniques to safeguard humanity's shared history. The advancement of digital technologies has introduced transformative tools that allow non-invasive, precise, and scalable methods for documenting, analyzing, and preserving artifacts and heritage sites. This Special Issue seeks to explore the integration of digital and non-destructive techniques in cultural heritage, offering a platform to discuss the latest applications and advancements in the field. The contributions will focus on a range of state-of-the-art methods, including 3D scanning, 3D printing, Raman spectroscopy, Fourier transform infrared spectroscopy (FTIR), and scanning electron microscopy (SEM). Additionally, the Special Issue welcomes papers on X-ray computed tomography (XCT), Hyperspectral Imaging, and machine learning and AI in heritage conservation.

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Deadline for manuscript submissions

20 September 2025

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/216871

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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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