Special Issue

Advanced Technologies Applied to Cultural Heritage

Message from the Guest Editor

In recent years, rapid technological advances, especially in the fields of artificial intelligence and machine learning, have had a significant impact on applications related to the study of cultural heritage. The vast variety of new approaches in understanding the past, civilizations, and the arts leads to new challenges and opportunities in preserving and promoting cultural heritage. This Special Issue explores the application of advanced technologies to the preservation, analysis, and dissemination of cultural heritage and seeks to promote new methods, pervasive applications, and platforms related to the application of digital technologies. We thus invite researchers, scholars, and practitioners to contribute to this Special Issue with original research articles as well as reviews. Research areas may include (but are not limited to) the following:

- Digitalization and 3D modeling;
- Artificial intelligence and machine learning applied to cultural heritage;
- Augmented reality (AR) and virtual reality (VR);
- Data analytics and visualization;
- Preservation and conservation;
- Digital Humanities.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)

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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.

Editor-in-Chief

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