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X-ray Physics and Digital Imaging for the Study, Preservation and Protection of Cultural Properties

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Deadline for manuscript submissions:
closed (27 May 2024)

Message from the Guest Editors

X-rays have had a leading role in the development of heritage sciences and the conservation of cultural heritage. Currently, the development of MA-XRF systems has further boosted the ability to identify the production techniques of the artifact, thus answering the questions of art historians, archaeologists, and conservators/ restorers. Over the last decade, there has been an acceleration in the development of techniques. Hence, the need to update the state of the art across different sectors into which advanced research in the field of X-rays applied to the diagnostics of cultural heritage can be divided.

This Special Issue will welcome manuscripts that link the following themes:

Digital radiology;
X-ray fluorescence (XRF);
X-ray diffraction (XRD);
X-ray transmission;
Portable instrumentation XRF and XRD;
MA-XRF application;
Synchrotron light application in art and conservation;
Tomography and its applications.

We look forward to receiving your original research articles and reviews.