

## Special Issue

# Interpreting Environmental Data in Heritage Science

### Message from the Guest Editor

Preventive conservation is deeply grounded on the study of deterioration of material Cultural Heritage. Large amounts of environmental data are routinely collected on relative humidity, temperature, visible and UV radiation levels, pollutant gas concentrations, particulate deposition rates and compositions, and vibration. Effective management requires interpretation of these data into damage rates. This is increasingly important as controlling environments has large sustainability impacts. Determining risk at values outside of tight limits is critical, and major improvements can result from effective tools to aid users in this. The aim of this Special Issue is to collect articles, communications, and reviews highlighting recent achievements in the study of deterioration phenomena of material Cultural Heritage and enabling the interpretation of this research with end users' measured data. Damage functions, algorithms, modeling, and multiscale modeling have all seen important advances in the previous decade and expanded the field beyond simple statistics and limits. Papers dealing predominantly with the translation of damage into values are beyond the scope of this issue.

### Guest Editor

Dr. David Thickett

Collections Conservation, English Heritage Trust, Rangers House,  
Chesterfield Wlk, London SE108QX, UK

### Deadline for manuscript submissions

closed (28 February 2023)



## Heritage

an Open Access Journal  
by MDPI

Impact Factor 1.9  
CiteScore 3.7



[mdpi.com/si/127938](https://mdpi.com/si/127938)

*Heritage*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[heritage@mdpi.com](mailto:heritage@mdpi.com)

[mdpi.com/journal/  
heritage](https://mdpi.com/journal/heritage)





# Heritage

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.9  
CiteScore 3.7



[mdpi.com/journal/  
heritage](https://mdpi.com/journal/heritage)



## About the Journal

### Message from the Editorial Board

*Heritage* is an international, peer-reviewed, open access journal that focuses on knowledge, conservation, interpretation and management of cultural and natural heritage, by presenting and enabling novelty and advances in sensing technologies, novel methods, best practices and policies. *Heritage* has the ambition to become a “cultural forum”, where scientists and experts offer answers to significant issues affecting cultural and natural heritage, by creating a knowledge bridge between different technological and social disciplines. *Heritage* has an Editorial Board of eminent international leaders and this ensures rigorous peer-review processing for high quality and novel papers. We strongly recommend *Heritage* for the rapid and professional publication of your innovative research and case studies.

---

### Editors-in-Chief

Dr. Francesco Soldovieri

National Research Council of Italy (CNR), Institute for Electromagnetic Sensing of the Environment (IREA), Via Diocleziano 328, 80124 Napoli, Italy

Prof. Dr. Nicola Masini

1. CNR-IBAM, 85050 Baragiano Scalo, Italy

2. School of Architecture, University of Basilicata, Potenza, Italy

---

### Author Benefits

#### Open Access

– free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (Archeology (Arts and Humanities))