

## Special Issue

# Futurescape of Heritage Preservation: Integrating AI, Digital Twins, and Multi-Scale Technologies for Cultural Sustainability

### Message from the Guest Editor

In the face of increasing environmental challenges and the urgent need to preserve cultural heritage, this special issue aims to highlight pioneering research and technological advancements in the domain of preventive preservation, digital twins, and AI-driven methodologies for cultural heritage preservation. It brings into focus the synergistic application of multi-modal and multi-scale digitization techniques, AI, and digital twin technologies to create resilient and sustainable frameworks for managing heritage assets, particularly those in remote locations.

Contributions to this special issue will target a multidisciplinary audience, ranging from researchers and academics interested in the technical data and methodologies, to stakeholders, heritage managers, and practitioners looking for practical applications and decision support tools. Additionally, authorities and the general public will find value in real-time monitoring solutions, long-term analysis, and the facilitation of community engagement through crowdsourcing and citizen science initiatives.

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### Guest Editor

Dr. George Pavlidis

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### Deadline for manuscript submissions

30 June 2026



## Heritage

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## 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.

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### Editors-in-Chief

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