

## Special Issue

# Advancement of Remote Sensing and GIS in Risk Protection for Cultural Heritage

### Message from the Guest Editors

The advancement of remote sensing and Geographic Information Systems has significantly enhanced the protection of cultural heritage by providing sophisticated and cutting-edge tools for risk assessment, monitoring, and mitigation. Remote sensing technologies, including satellite imagery, LiDAR, and aerial and drone surveys, play a crucial role in capturing high-resolution data for cultural sites. The collaborative nature of remote sensing and GIS fosters interdisciplinary approaches involving archaeologists, geographers, conservationists, and disaster management experts. This synergy enables the development of proactive strategies for cultural heritage preservation, fostering a more resilient approach to safeguarding our global heritage in the face of evolving risks and challenges. Overall, the continual advancement of this domain serves as a powerful ally in the protection and conservation of cultural heritage, ensuring its longevity for future generations. The aim of this Special Issue is to collect and investigate the most recent research, trends, and practical applications in the field of remote sensing and GIS applied to cultural heritage.

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### Guest Editors

Dr. Francesca Matrone  
Dr. Elisabetta Colucci  
Dr. Susana Del Pozo

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### Deadline for manuscript submissions

closed (31 October 2025)



## 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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