

Special Issue

Innovative Health Monitoring and Evaluation of Ancient Stone Structures

Message from the Guest Editors

Europe's cultural heritage includes many stone-masonry buildings that are highly vulnerable to structural stresses, natural hazards, and long-term material degradation. Climate change, chemical weathering, freeze-thaw cycles, and inappropriate human interventions further accelerate their deterioration, increasing the risk of irreversible damage. Growing awareness of the cultural and economic value of these assets has encouraged the adoption of digital tools, non-destructive evaluation, and structural health monitoring to detect early damage and support preventive maintenance. This Special Issue welcomes contributions on AI-assisted damage prognosis, digital twins, digitalisation, climate-related deterioration, field applications, preventive maintenance, multidisciplinary diagnosis, structural assessment, remote sensing, SHM, and robotic-assisted inspection of ancient stone structures.

Guest Editors

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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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