

Special Issue

Preventive Conservation and Energy Efficiency of Heritage Buildings

Message from the Guest Editors

- Preventive conservation of cultural heritage: a contemporary perspective and new approaches
- Energy and environmental monitoring of heritage buildings and sites
- Criteria and methodologies for energy efficiency of historic buildings
- Case studies of energy retrofit of historic buildings
- Energy efficiency of heritage sites and city centers
- The impact of political and social agendas on energy efficiency of historic buildings
- Technical standards / National and international legislation
- Non-destructive technologies for cultural heritage (e.g. infrared thermography)
- Energy audit and simulation of historic buildings
- Building-HVAC modeling
- Conservation and management of 20th Century architecture
- Methodological approaches, specific methods and tools for preventive conservation and energy efficiency of cultural heritage
- High energy performance materials applied to cultural heritage
- Integration of heritage buildings and landscapes with renewable energy resources
- The human factor in the issue of energy efficiency of historic buildings (behavioral sciences: economics, sociology)
- Smart Solutions (e.g. Smart Home Technology) for preventive conservation and energy efficiency

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Deadline for manuscript submissions

closed (21 September 2020)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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