



Protection of Buildings with Historic, Architectural or Cultural Value

Guest Editor:

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Message from the Guest Editor

In this Special Issue, we invite original contributions describing new research, case studies, projects, reviews and state-of-the-art discussions related to the protection of buildings of historic, architectural or cultural importance. Submissions may concern theoretical or applied research in areas such as building physics, material science, engineering, archaeology, architecture or other fields applied to the preservation, conservation, restoration, reuse or reconstruction of these emblematic buildings.

We welcome papers on the following and related topics, including but not limited to:

- Diagnosis and characterisation of damage of building materials and structures; in situ field test methods, nondestructive techniques, laboratory tests and analysis;
- Testing and/or development of treatments, products or solutions; assessment of short and/or long-term effects; preventive conservation;
- Environmental monitoring, moisture, condensation, mould growth and salt crystallisation;
- Simulation and modelling: hygrothermal and thermodynamic predictive models;
- Impact of climate change and environmental conditions; consequences from refurbishments and retrofitting measures: energy efficiency, ventilation, airtightness and moisture in buildings;
- Digitalisation and documentation, data bases, past interventions, adaptation to new legislation;
- New methodologies, digital and innovative technologies, building information modelling (BIM).

