



Seismic Analysis, Assessment, and Retrofit of Existing Masonry Constructions

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Message from the Guest Editors

A considerable portion of the built environment is made of masonry. This includes both historical and modern structures erected using a number of different construction techniques and materials. Because of their longevity and the legacy, masonry constructions (MC) are often imbued with significant historic and cultural value. Nonetheless, MCs are susceptible to the effects of climate change, and are particularly vulnerable to a variety of different hazards and loading conditions. However, the main cause of damage to MCs is still earthquakes, historically responsible for relevant socio-economic losses in several regions all over the world, which are also steadily increasing as a result of induced seismicity phenomena.

In this Special Issue, focused on the seismic analysis, assessment, and retrofit of existing masonry constructions, original research papers, case studies, and state-of-the-art reviews from both researchers and practitioners are welcome. We hope that this Special Issue will provide the scientific community with a thorough overview of the current research on this topic, while providing valuable insight for future research directions.





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Message from the Editor-in-Chief

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