

Special Issue

Seismic Analysis, Assessment, and Retrofit of Existing Masonry Constructions

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.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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