Editorial

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Seismic design of structures is an important topic that was widely investigated by scientists all over the world. Masonry buildings are very often used by engineers and architects. These structures include many heritage buildings that should be especially protected against earthquakes. For this reason modern assessment techniques and monitoring methods are constantly developed. Testing masonry structures and models as well as developing effective analytical methods form a basis for updating existing standards and design provisions.

Investigating the seismic response of masonry buildings, their performance assessment, creating new mechanical evaluation models as well as developing codes and standards are very important for seismic protection of heritage masonry structures. Testing and monitoring of masonry structures in seismic regions and applying modern nonlinear methods for seismic analysis form a good basis for updating the existing design provisions. Modern methods for seismic protection of structures, including base isolation, supplemental energy dissipation, etc. should be widely used in masonry structures.

The current issue includes papers reporting on the latest achievements in the field of seismic analysis, mitigation, collapse modeling, retrofitting and damage propagation prediction of masonry structures. It is aimed to be a source of information on current developments in the field for scientists, scholars, teachers, engineers and students worldwide.

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