



Sustainable Seismic Design Approaches, Structural Systems, and Retrofit Measures of Civil Engineering Structures

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Message from the Guest Editors

The risk of earthquakes represents a challenge for sustainable regional development in different parts of the world. The high losses from recent earthquakes confirm the pressing need for effective strategies to manage seismic risk to achieve sustainable development goals not only for existing and new structures but also for building inventories and transportation networks at the urban scale. The level of understanding concerning how different components of the built environment respond to seismic hazard events and the availability of effective and economical retrofit approaches to control the physical damage and minimize the disruption of service expected by earthquakes have a profound role in mitigating seismic losses.

This Sustainability Special Issue aims to gather contributions related to contemporary seismic design methodologies, structural systems, and retrofit approaches that can support sustainable development goals. This includes, for instance, alternative design and retrofit approaches that can improve sustainability by limiting non-structural and structural damage and residual deformations after earthquakes.





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Message from the Editor-in-Chief

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