Special Issue

New Insights into the Seismic Behaviour of Buildings

Message from the Guest Editor

Seismic behaviours of buildings that reflect the risk of earthquake damage are an important issue for both scientists and consumers. The seismic behaviour of buildings depends not only on the material, construction quality, and seismic design of the building, but also on seismic performance assessments, for example.
This Special Issue, 'New Insights into the Seismic Behaviour of Buildings', is dedicated to new perspectives on the seismic performance assessment of engineering structures. We will not only focus on structural analyses, experimental studies, structural designs, seismic engineering, artificial intelligence, or structural retrofitting and strengthening, but also on modern methods and technologies for improving the seismic performance of engineering structures.
For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/L17SLEXWU7

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Deadline for manuscript submissions

closed (20 October 2025)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/231528

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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