

Special Issue

Advances in Earthquake Engineering and Seismic Resilience

Message from the Guest Editor

This Special Issue highlights recent progress in earthquake engineering and seismic resilience. We invite contributions on innovative engineering techniques, performance-based seismic design, and advanced structural solutions for earthquake-resistant infrastructure. Topics of interest include the following:

- Advanced composite materials for retrofitting;
- Seismic load analysis of construction materials;
- Damage detection and condition assessment;
- Damage limitation design and sustainability;
- Innovative seismic-resilient structural design;
- Systems for damage minimization and recovery post-earthquake;
- Integrated seismic retrofitting and strengthening techniques;
- Novel resilient structural systems;
- Performance-based seismic design;
- Seismic hazard and risk mitigation;
- Multi-level seismic performance of critical infrastructure;
- Seismic resilience assessment;
- Seismic safety and retrofit of existing structures;
- Seismic vulnerability assessment;
- Structural health monitoring.
- Innovative vibration control devices (e.g., tuned mass dampers, negative stiffness devices, inerters, KDampers)

Guest Editor

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Deadline for manuscript submissions

20 May 2026



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/233862

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About the Journal

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.

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