

## Special Issue

# Life Safety Techniques for Earthquake Events—Alternative Approaches to Overall Building Strengthening

### Message from the Guest Editors

In most countries with relevant seismicity, a significant part of the building stock does not comply with modern design codes, namely in respect of earthquake strength. The ideal approach to this structural safety problem would consist of strengthening all vulnerable buildings with a heritage or architectural interest or even demolishing them and building new ones if none of these values are recognized. However, these approaches are very intrusive and expensive and may not be implemented in due time. In this context, low-intrusive and low-cost life-safety techniques have been designed and developed to allow protecting buildings' occupants without requiring buildings to undergo overall structural strengthening. The main purpose of this Special Issue is to attract world-leading researchers in the area of "Life Safety Techniques for Earthquake Events—Alternative Approaches to Overall Building Strengthening" and to spread their latest developments.

- earthquakes
- life safety
- life protection
- buildings
- collapse

---

### Guest Editors

Prof. Dr. João Gomes Ferreira  
Dr. Luís Guerreiro  
Dr. João Guerreiro

---

### Deadline for manuscript submissions

closed (31 October 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/118700](https://mdpi.com/si/118700)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## 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.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )