

# Special Issue

## Seismic Assessment and Retrofit of Steel Structures

### Message from the Guest Editors

This Special Issue is open to all kinds of advances and novel applications related to modeling, design, assessment, and retrofit of steel structures in seismic areas. It aims to collect scientific papers of researchers of all over the world that strive to contribute to civil engineering for the safety of people and steel structures in seismic areas. The main topics of this Special Issue are:

- New and existing buildings;
- Industrial buildings;
- Light-weight structures;
- Non-structural components;
- Codification for seismic design, assessment and retrofitting;
- Cyclic behaviour of members, joints and components;
- Existing and novel approaches for seismic assessment of structures;
- Numerical modelling of members or structures;
- Laboratory tests on components and systems;
- Advanced methods for retrofit;
- Loss assessment and risk analysis of existing structures.

Please consider that the above topics are not exhaustive of all aspects of civil engineering of steel structures in seismic areas. So, feel free to submit your contributions on any additional topic that could be relevant to the field of steel structures in seismic areas.

---

### Guest Editors

Prof. Dr. Pier Paolo Rossi

Department of Civil Engineering and Architecture, University of Catania,  
95125 Catania, Italy

Prof. Dr. Melina Bosco

Department of Civil Engineering and Architecture, University of Catania,  
95123 Catania, Italy

---

### Deadline for manuscript submissions

closed (31 October 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/108755](https://mdpi.com/si/108755)

*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/  
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 )