

Special Issue

Seismic Assessment and Retrofit of Reinforced Concrete Structures

Message from the Guest Editors

This Special Issue is open to all kinds of advances and novel applications related to reinforced concrete or prestressed concrete structures in seismic areas. Papers can focus on laboratory tests and numerical modeling of members subjected to cyclic actions as well as on the seismic analysis and assessment of single members, subassemblies or complex structures. The structures considered can be the result of modern or old structural codes and subjected to damage from climatic actions, e.g., to corrosion of longitudinal and transverse reinforcements. The results of the numerical analyses can be elaborated in compliance with deterministic or probabilistic analysis to evaluate the seismic vulnerability, risk or resilience of structures. Particularly welcome are research studies on the seismic retrofitting of structures by means of traditional or innovative methods and loss assessment because of earthquake ground motions.

Guest Editors

Prof. Dr. Pier Paolo Rossi

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

Prof. Dr. Melina Bosco

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

Deadline for manuscript submissions

closed (25 March 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/67703

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

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





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, CAPlus / SciFinder, and other databases.

Journal Rank:

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