

Special Issue

Seismic Analysis and Risk Assessment of Civil Engineering Infrastructures

Message from the Guest Editor

This Special Issue focuses on failure risk assessment of RC building structure in the seismically hazardous area. Alongside this, this issue will cover the following research themes as well:

- Development of advanced technology for RC building to mitigate seismic damage
- Adoption of RC building capacity strengthening new technologies like FRP, CFRP, MRT, etc. or used in an existing under-designed or damaged RC building
- Effect of seismic response reduction compared to the existing model technique with and without the application of seismic mitigation systems
- Derive a simple system to improve the seismic safety evaluation under hazard consideration
- Seismic reliability-based safety evaluation
- Determination of most failure contribution IM of seismically induced structure
- Generating computational tools for the proposed methodology

Guest Editor

Prof. Dr. Dookie Kim

Structural System Laboratory (SSL), Department of Civil and Environmental Engineering, Kongju National University, Chungcheongnam-do 31080, Korea

Deadline for manuscript submissions

closed (20 April 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/72364

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

mdpi.com/journal/appls-ci





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)