Special Issue

Concrete and Reinforced Concrete Structures under Earthquake Loading

Message from the Guest Editors

This Special Issue of *Applied Sciences*, "Concrete and Reinforced Concrete Structures Under Earthquake Loading", is intended for a wide and interdisciplinary audience and covers recent research advances and new developments in the following topics:

- Innovative solutions for seismic and retrofitting of existing concrete and reinforced concrete structures;
- Underground structures, soil–structure interaction and foundations under earthquake loading;
- Laboratory, in situ testing and structural health monitoring of earthquake-resistant structures;
- Seismic analysis, design, retrofit and strengthening of concrete and RC structures, retaining walls, dams, slopes;
- Advanced numerical methods (finite elements and boundary elements) for linear and non-linear earthquake analysis and design;
- Design optimisation of concrete and RC structures under earthquake loading.

For further reading, please visit the ***Special Issue website.***

Guest Editors

Dr. Van Bac Nguyen
College of Science and Engineering, University of Derby, Derby DE22 1GB, UK

Dr. Iman Hajirasouliha
Department of Civil and Structural Engineering, University of Sheffield, Sheffield S10 2TG, UK

Deadline for manuscript submissions

closed (30 April 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/49585

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)