

Special Issue

Soil Structure Interaction of Resilient Systems

Message from the Guest Editors

Recent evidence from the literature has demonstrated the significant impact of the effects of soil–structure interaction on civil structures and infrastructures. In particular, seismic actions on buried and aboveground systems may significantly affect their vulnerability and thus resilience. In addition, robust approaches are required to address these effects due to the complexity of the interaction. This Special Issue aims to discuss and propose new research on the topic to reach a better understanding and develop designs and methodologies. Papers on the following are particularly welcomed:

- Seismic effect on civil structures;
- Seismic response and design of buried structures;
- Effects of soil liquefaction;
- Seismic effect of nearby structures;
- Resilient buried infrastructures;
- Application of artificial intelligence in the design of resilient civil structures.

Guest Editors

Prof. Dr. Davide Forcellini

Dipartimento Economia e Tecnologia, Università di San Marino, Via Consiglio dei 60, n.99, 47899 Dogana, San Marino

Dr. Saif Alzabeebee

Department of Roads and Transport Engineering, University of Al-Qadisiyah, Al-Qadisiyah, Iraq

Deadline for manuscript submissions

closed (31 March 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/91710

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)