Special Issue

Advances in Soils and Foundations

Message from the Guest Editors

The behavior and characteristics of soil and substructure and their interaction are pertinent to the stability of the superstructure and the safety of occupants. However, different soil deposits behave distinctly under non-identical circumstances, in particular, when they are subjected to earthquake loading. Moreover, because of modern urbanization processes, extensive urban construction involving excavation adjacent to old buildings could also result in ground-movement-related issues such as uneven settlement and tilting of existing buildings. Thus, an understanding of the characteristics of urban soil and also urban soil/structure interaction under loadings imposed by earthquakes, vehicles, wind or heat is important in safeguarding newly designed buildings or mitigation measures for existing buildings. We welcome the submission of original research articles related to, but not limited to, the following topics:

Guest Editors

Prof. Dr. Chih-Wei Lu

Department of Civil and Construction Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan

Dr. Meen-Wah Gui

Department of Civil Engineering, National Taipei University of Technology, Taipei, Taiwan

Deadline for manuscript submissions

closed (30 April 2023)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/111029

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

mdpi.com/journal/buildings

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/journal/buildings

MDPI

About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

Author Benefits

High Visibility:

indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).