

Special Issue

Advances in Building Foundation Engineering

Message from the Guest Editors

The field of building foundation engineering is continually evolving, driven by the need to address complex geotechnical challenges, the impacts of global warming, and improve the safety, sustainability, and efficiency of construction practices. This Special Issue, entitled "Advances in Building Foundation Engineering", aims to showcase the latest research and developments in this critical area. We invite contributions that explore innovative approaches to foundation engineering, with a particular focus on special soils (e.g., expansive soils, collapsible soils, and breakage soils) and other unique geotechnical conditions. Additionally, we welcome studies that delve into various advanced pile foundation technologies, such as Continuous Flight Auger (CFA) piles, energy piles and micropiles, and other innovative foundation systems.

Guest Editors

Prof. Dr. Rui Chen

Dr. Ankit Garg

Dr. Svetlana N. Sushkova

Prof. Dr. Neelima Satyam

Dr. Zhaofeng Li

Deadline for manuscript submissions

31 January 2026



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/215288

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

[mdpi.com/journal/
buildings](http://mdpi.com/journal/buildings)





Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



[mdpi.com/journal/
buildings](http://mdpi.com/journal/buildings)



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).