Special Issue

Advances in Construction Safety and Project Management

Message from the Guest Editors

The construction industry is undergoing rapid transformation through technological innovations in safety and project management. Digital solutions such as BIM, IoT, AI, and data analytics are reshaping how we identify, monitor, and mitigate risks while enhancing project delivery and efficiency. These technologies have become increasingly vital as the industry confronts complex challenges, including those revealed by recent global disruptions that demanded remote coordination and strengthened safety protocols. The integration of digital tools with traditional practices presents new opportunities to improve safety outcomes, optimize resources, and deliver projects more effectively. This Special Issue, titled “Advances in Construction Safety and Project Management”, invites original research studies, case studies, and review articles that examine innovative approaches and emerging technologies. Topics include risk assessment frameworks, smart safety monitoring, predictive analytics, digital twins, and solutions that enhance worker safety and project performance. We look forward to your submission.

Guest Editors

Dr. Chau Le

Department of Engineering Technology and Construction Management, University of North Carolina at Charlotte, Charlotte, NC 28223, USA

Dr. Tuyen Le

Glenn Department of Civil Engineering, Clemson University, Clemson, SC, USA

Deadline for manuscript submissions

30 November 2025

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/238082

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).