Special Issue

New Technology of Green Intelligent Construction and Risk Assessment in Architectural Structures

Message from the Guest Editors

With the advancement of computer technology and the social economy, the progress that has been made in digital, intelligent, and information technology offers boundless possibilities for shaping future green structures. It also presents a new direction for implementing disaster prevention and reduction measures in extreme events. The objective of this Special Issue is to promote and present recent advancements in artificial intelligence, green and low-carbon technologies, disaster prevention and mitigation, as well as sustainable development in the field of engineering structures. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues/0ZL9M7DFVA

Guest Editors

Dr. Bo Huang
School of Civil Engineering, Chongqing Jiaotong University, Chongqing 400074, China

Prof. Dr. Xiaolu Cui
School of Electromechanical and Vehicle Engineering, Chongqing Jiaotong University, Chongqing 400074, China

Deadline for manuscript submissions

10 January 2026

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/190088

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).