Special Issue

Thermal Environment in Buildings: Innovations and Safety Perspectives

Message from the Guest Editors

In recent years, the pursuit of sustainable and efficient building energy utilization has become a global imperative. The building sector is a significant consumer of energy, and as such, any advancements in energy technologies and practices could have a profound impact on both environmental conservation and economic viability. This Special Issue focuses on the latest and most significant developments in building energy. It aims to compile high-quality research articles and reviews that elucidate various aspects of energy, from innovative energy-efficient design strategies to cutting-edge energy generation and storage technologies, within the context of buildings. For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/28P1Q39E3I

Guest Editors

Dr. Wenyu Yang
College of Safety and Environmental Engineering, Shandong University of Science and Technology, Qingdao 266510, China

Dr. Yongjun Wang
Safety Science and Engineering College, Liaoning Technical University, Fuxin 123000, China

Deadline for manuscript submissions

30 September 2025

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/224171

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

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).