



Advanced Studies on Housing Energy Efficiency, Net Zero Developments and Real Estate Values

Guest Editors:

Dr. Maria Macchiaroli

Department of Civil Engineering,
University of Salerno, 84084
Fisciano, Italy

Dr. Masoud Sajjadian

School of Computing,
Engineering and the Built
Environment, Edinburgh Napier
University, Edinburgh EH10 5DT,
UK

Dr. Junxue Zhang

School of Civil Engineering and
Architecture, Jiangsu University
of Science and Technology,
Zhenjiang 212100, China

Deadline for manuscript
submissions:

31 July 2025

Message from the Guest Editors

Dear Colleagues,

Buildings Special Issue focuses on housing energy efficiency in real estate and urban transformation. Governments are urged to promote building efficiency and reduce green house gas emissions. This issue explores sustainable building practices in emissions reduction, considering global standards. It examines urban planning policies which foster sustainable communities via eco-friendly designs. An interdisciplinary approach highlights the importance of integrated efforts by developers, planners, governments, and communities for an energy-efficient & sustainable built environment.

Research areas of interest include (but are not limited to) the following:

- Reducing carbon emissions: identifying best practices and technologies to improve the energy efficiency of buildings;
- Economic savings: long-term economic savings for both owners and tenants, influencing real estate market dynamics;
- Sustainable growth: developing models and decision-making tools
- Policy improvement: evaluation of policy frameworks, regulatory measures, and financing mechanisms;
- Benefits for health and well-being.



mdpi.com/si/207883

Welcome to submit your manuscript to us!
Guest Editors

Special Issue

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

Buildings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/buildings
buildings@mdpi.com
[X@Buildings_MDPI](https://twitter.com/Buildings_MDPI)