

Special Issue

Sustainable Architecture and Healthy Environment

Message from the Guest Editors

This Special Issue focuses on the multi-energy coupling theory of sustainable architecture and the mechanisms of creating a healthy indoor environment. Different energy conversion and quality assurance technologies can be utilized to achieve the goal of a green, healthy, and comfortable indoor environment. We welcome papers on the following topics:

- Energy efficiency improvement methods for comprehensive utilization of low-carbon energy;
- Dynamic response between energy application and building energy efficiency;
- Goal and optimization for creating a comfortable and healthy indoor environment in buildings;
- Indoor environment prediction models and health assessment for residential buildings.

Guest Editors

Dr. Xueyan Zhang

Prof. Dr. Shui Yu

Dr. Jiayin Zhu

Deadline for manuscript submissions

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

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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

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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).