Special Issue

Building Energy and Sustainability

Message from the Guest Editor

Sustainable development is a reality that is transforming the building and industrial sector. To consider the use of energy in a sustainable way to maximise the rate of energy efficiency is urgently needed to achieve a reduction in energy consumption and emissions in construction and architecture. In this context, this Special Issue aims to facilitate progress in the knowledge of Smart energies and the sustainable development of resources imposing a new way of projecting new buildings and industrial facilities.
This objective can be achieved through a set of activities that address: -The impact of energy performance in buildings considering the implications of the efficient use of energy at an economic, environmental, and social level.

-Life cycle analysis in the construction and architecture sector from environmental sustainability.

-The study of the influence of new digital technologies to obtain an efficient use of energy through simulation, modelling and visualisation to optimise the design of buildings.

Guest Editor

Prof. Dr. Manuel V. Castilla
Higher Polytechnic School, University of Seville, 41011 Sevilla, Spain

Deadline for manuscript submissions

closed (30 April 2023)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/105754

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 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).