

Special Issue

Building Information Modeling and Sustainable Building

Message from the Guest Editors

For this Special Issue, we welcome original research articles and reviews. Research areas may encompass, but are not limited to, the following topics:

- BIM applications for environmental assessment;
- Integration of BIM and construction project management;
- Utilization of BIM-based models for evaluating building performance during the operational stage (comfort, energy, water, etc.);
- Leveraging 3D BIM for the analysis of sustainability in urban systems;
- Building information modeling applications in heritage conservation (HBIM);
- The incorporation of artificial intelligence algorithms into BIM for the comprehensive analysis of buildings' environmental, social, and economic aspects (AI-BIM);
- Applications of BIM–blockchain integration in the realm of buildings.

Guest Editors

Prof. Dr. Antonio Garcia-Martinez

Instituto Universitario de Arquitectura y Ciencias de la Construcción,
Escuela Técnica Superior de Arquitectura, Universidad de Sevilla, 41012
Sevilla, Spain

Prof. Dr. Juan Carlos Gómez de Cózar

Instituto Universitario de Arquitectura y Ciencias de la Construcción,
Escuela Técnica Superior de Arquitectura, Universidad de Sevilla, 41012
Sevilla, Spain

Deadline for manuscript submissions

closed (20 February 2025)



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/195532

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

[mdpi.com/journal/
buildings](https://mdpi.com/journal/buildings)





Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



[mdpi.com/journal/
buildings](https://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).