Special Issue

Development and Application in Sustainable Construction and Building Materials

Message from the Guest Editor

The development of sustainable construction materials is a key challenge in achieving a low-carbon, resource-efficient, and resilient built environment. This Special Issue aims to explore both innovative and traditional materials, with particular emphasis on advances that reduce environmental impact and enhance building performance. We welcome original research and review papers addressing solutions to lower the environmental footprint of materials, improve their performance, and promote circularity in the construction sector.
Topics of interest include, but are not limited to, the following:

- **Eco-efficient binders, mortars, and concrete;**
- **Waste-based and recycled materials;**
- **Bio-based and natural materials;**
- **Advanced coatings and paints;**
- **Durability and performance assessment;**
- **Life-cycle thinking;**
- **Material innovation in architecture;**

We look forward to receiving your contributions and to advancing together toward a more sustainable and innovative built environment.
For more information:
https://www.mdpi.com/journal/buildings/special_issues/B8L2106N04

Guest Editor

Prof. Dr. Jose M. Vercher
Department of Architectural Constructions, Universitat Politècnica de València, 46022 Valencia, Spain

Deadline for manuscript submissions

20 July 2026

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/261195

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).