

## Special Issue

# Development and Properties of Sustainable Composite Materials for Building Applications

### Message from the Guest Editors

This Special Issue, entitled "Development and Properties of Sustainable Composite Materials for Building Applications," aims to encapsulate the breadth and depth of recent advancements in this field. We seek to explore how these materials can transform building practices, focusing on their mechanical properties, durability, and environmental impact. Composite materials in construction offer unique advantages, including improved strength-to-weight ratios, enhanced thermal properties, and increased longevity. This Special Issue will highlight innovative research on the development, testing, and application of such composites, providing insights into their potential to redefine the standards of modern construction. We invite contributions that address the scientific, technical, and practical aspects of building composite materials, from novel formulations to applications in real-world scenarios. We welcome your submissions that push the boundaries of current knowledge and contribute to the sustainable practices of tomorrow's construction industry.

### Guest Editors

Prof. Dr. Rabah Hamzaoui  
ESTP PARIS, and Microbusiness Director (Low Carbon Construction Materials), 94234 Paris, France

Dr. Rachida Idir  
Cerema, UMR MDC, 77171 Sourdun, France

### Deadline for manuscript submissions

20 November 2025



## Buildings

an Open Access Journal  
by MDPI

Impact Factor 3.1  
CiteScore 4.4



[mdpi.com/si/208724](https://mdpi.com/si/208724)

*Buildings*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[buildings@mdpi.com](mailto: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).