

Special Issue

Advances in Composite Construction in Civil Engineering

Message from the Guest Editor

Composite construction involves the interaction of two or more separate elements acting together and contributing together rather than separately. Relevant materials include those reinforced with fiber, polymers, or chemical additives. Composite structures include sandwiched layers, framed structures, and attachments, etc. Innovations in structures and materials are commonly related and coordinated to achieve the target performance level. With the introduction of a novel composite materials or structure, the following questions need to be addressed: what is the performance improvement of the new composite construction? What is the mechanism of composite construction? What is the environmental or economic impact of composite construction? Scholars working in the area of composite construction are welcome to submit papers to answer these questions. This Special Issue offers a platform to showcase your findings, and will encourage the advancement of composite construction research among scholars worldwide.

Guest Editor

Dr. Hang Lu

Louisiana Transportation Research Center, Louisiana State University,
Baton Rouge, LA 70803, USA

Deadline for manuscript submissions

closed (20 August 2024)



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/146896

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 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).