

Special Issue

Advancements in Cementitious Materials: Exploring the Latest Trends and Future Outlook—2nd Edition

Message from the Guest Editor

This Special Issue, "Advancements in Cementitious Materials: Exploring the Latest Trends and Future Outlook", aims to comprehensively address the latest research developments and future perspectives in cementitious materials. Cement, being one of the most widely used construction materials globally, is the focus of innovative research aimed at improving sustainability and performance. This Special Issue will explore the various approaches to overcoming the limitations of traditional cementitious materials, minimizing environmental impact, and enhancing long-term durability and efficiency. Key topics include high-performance concrete, eco-friendly cement alternatives, the application of nanotechnology, techniques for extending the lifespan of cement, and smart cement-based structural monitoring technologies. The Issue seeks to foster a collaboration between academic and industry researchers to design the future of cementitious materials, offering more sustainable and cost-effective construction solutions. Best regards,

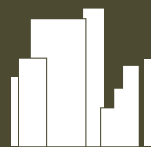
Guest Editor

Dr. Heeyoung Lee

Department of Civil Engineering, Chosun University, 10 Chosundae 1-gil, Dong-Gu, Gwangju 61452, Republic of Korea

Deadline for manuscript submissions

closed (20 February 2026)



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/219161

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).