Special Issue

Application of Green Materials and Technology in the Construction Industry

Message from the Guest Editors

This Special Issue welcomes high-quality original research papers, which describe the most significant research in solid waste recycling, the application of green building materials, and the economic construction industry. Potential topics include, but are not limited to, the following:

- Sustainable or green materials for construction;
- Energy-saving, economic, and carbon reduction of construction technology;
- Integrated technique for construction materials, repair, and renovation in sustainable construction;
- Recycling raw materials (construction and demolition waste, industrial waste) in building materials production;
- Case studies in sustainable or green construction materials and technology.

Professor Liu warmly invites authors to submit their original papers for potential inclusion in this Special Issue on Application of Green Materials and Technology in the Construction Industry.

Guest Editors

Prof. Dr. Xiaoming Liu

Dr. Xin Tan

Dr. Min Wang

Deadline for manuscript submissions

closed (31 May 2023)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/115700

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).