



Application of Green Materials and Technology in the Construction Industry

Guest Editors:

Prof. Dr. Xiaoming Liu

College of Civil Engineering,
Hunan University, Changsha
410082, China

Dr. Xin Tan

College of Civil Engineering,
Hunan University, Changsha
410082, China

Dr. Min Wang

College of Civil Engineering,
Hunan University, Changsha
410082, China

Deadline for manuscript
submissions:

closed (31 May 2023)

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.



Editor-in-Chief

Prof. Dr. David Ardit

Construction Engineering and
Management Program,
Department of Civil,
Architectural, and Environmental
Engineering, Illinois Institute of
Technology, 3201 South
Dearborn Street, Chicago, IL
60616, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (*Architecture*)

Contact Us

Buildings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/buildings
buildings@mdpi.com
[X@Buildings_MDPI](https://twitter.com/Buildings_MDPI)