buildings

an Open Access Journal by MDPI

IMPACT FACTOR 3.1

CITESCORE 4.4

Optimal Design of Reinforced Plastics and Composites in Construction Materials

Guest Editors:

Prof. Dr. Ming-Gin Lee
Department of Construction Engineering, Chaoyang University of Technology, Taichung 413310, Taiwan

Prof. Dr. Yeng-Fong Shih
Department of Applied Chemistry, Chaoyang University of Technology, Taichung 413310, Taiwan

Deadline for manuscript submissions:
closed (31 August 2024)

Message from the Guest Editors

Recently, the use of composite materials in the building and construction industry is growing rapidly. They are being used to address structural retrofit design and can be used to reduce life cycle environmental and cost impacts in construction materials.

This Special Issue is devoted to publishing papers that describe the most significant research in building materials, repair, and renovation, focusing on a broad range of topics on today's reinforced plastics and composites including but not limited to: Sustainable composite materials for construction; Polymers intended for engineering uses; Composite material data that demonstrate some unique feature or new phenomenon; Novel processing and fabrication methods; Case studies in reinforced plastics and composite materials.

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/buildings/special_issues/384KL0EN47

buildings

IMPACT FACTOR 3.1

CITESCORE 4.4

an Open Access Journal by MDPI

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

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 SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.
Journal Rank: JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

Contact Us

Buildings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/buildings
buildings@mdpi.com
𝕏@Buildings_MDPI