buildings

an Open Access Journal by MDPI

IMPACT FACTOR 3.1

CITESCORE 3.4

Advances in Sustainable Construction

Guest Editors:

Dr. Yan Fu

Dr. Pengpeng Xu

Dr. Queena K. Qian

Prof. Dr. Henk Visscher

Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editors

Relevant topics for this Special Issue include but are not limited to the following subjects:

1. Modern methods of construction, including prefabrication, off-site construction, modular construction, etc.
2. Technology innovation to improve construction performance, including prefabrication technology, robotic technology, etc.
3. Monitoring of construction processes for sustainable management.
4. Decision optimization in sustainable construction projects.
5. Clean production in the construction sector.
6. Greenhouse gas emission calculation methods for construction projects.
7. Quantitative assessment of greenhouse gas emissions in buildings
8. Quantification of greenhouse gas emissions of construction equipment on-site and off-site.
9. Uncertainty analysis for measuring greenhouse gas emissions.
10. Management in the treatment of construction and demolition waste.
11. Measures of dynamic properties of infrastructures and urban construction.
12. Resilient cities and sustainable urban.

To get more information. please click on this link:

https://www.mdpi.com/journal/buildings/special_issues/P380EI5LV2

buildin

IMPACT FACTOR 3.1

CITESCORE 3.4

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 Scopus, SCIE (Web of Science), and other databases.
Journal Rank: JCR - Q2 (*Engineering, Civil*) / 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