buildings

an Open Access Journal by MDPI

IMPACT FACTOR 3.1

CITESCORE 3.4

Advances in Timber-Composite Processing and End-Products in Building Design

Guest Editors:

Dr. Aleš Straže
Department of Wood Science, Univerza v Ljubljani, Jamnikarjeva 101, SI 1000 Ljubljana, Slovenia

Prof. Dr. Tomaž Hozjan
Faculty of Civil and Gedoetic Engineering, University of Ljubljana,1000 Ljubljana, Slovenia

Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

This Special Issue, entitled “Advances in Timber-Composite Processing and End-Products in Building Design”, will focus on high-quality original research articles and reviews on the latest approaches to the development of wood-based ecological materials, advanced wood processing features, and further advances in research on their industrial production and applications in building design. This Special Issue aims to provide up-to-date knowledge on the latest processes for manufacturing wood- and lignocellulose-based building materials to present building products with improved or modified relevant properties. In addition, this Special Issue also provides space for offering new technological solutions and identifying features and drawbacks of current materials that need improvement. Therefore, we encourage you to submit scientific papers or reviews on wood-based building products that expand the current knowledge on processing and end-uses and identify potential new applications.

buildings

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), Inspec, 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