

Special Issue

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

Message from the Guest Editors

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.

Guest Editors

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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

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