forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Application of Glulam Beams in Wood Building Industry

Guest Editors:

Dr. Jakub Kawalerczyk
Department of Mechanical Wood Technology, Faculty of Forestry and Wood Technology, Poznan University of Life Sciences, Poznan, Poland

Prof. Radosław Mirski
Department of Mechanical Wood Technology, Faculty of Forestry and Wood Technology, Poznań University of Life Sciences, Poznań, Poland

Dr. Joanna Walkiewicz
Department of Mechanical Wood Technology, Poznan University of Life Sciences, Poznan, Poland

Deadline for manuscript submissions:
closed (15 November 2023)

Message from the Guest Editors

Dear Colleagues,

Wood is a one of the oldest known materials used in construction. For centuries, it has been applied to produce natural, renewable structural elements that are alternatives to steel or concrete. Glued-laminated timber is an example of an engineered wood product that has attracted the attention of scientists in recent years. GLT has the typical features of solid timber such as lightness, good strength and elasticity, simplicity in fabrication, reusability and environmental compatibility. Its cross-section has a layered structure that enables the manufacture of components with variable cross-sectional heights as needed. As a result, in accordance with Journal Citation Reports, more than 700 scientific papers on glulam beams were published in the last 20 years.

The aim of this Special Issue is to bring up-to-date knowledge on the latest processes for manufacturing structural glulam beams and to present construction products with improved or modified properties. Moreover, this Special Issue also aims to create a space to present new technological solutions and to identify the features and drawbacks of current materials that need improvement.

forests

IMPACT FACTOR 2.5

CITESCORE 4.6

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access.

Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.
Journal Rank: JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/forests
forests@mdpi.com
𝕏@Forests_MDPI