



## Innovative Use of Timber and Wood-Based Composites: Applications, Design and Sustainability

Guest Editor:

**Prof. Dr. Alain Cloutier**

Department of Wood and Forest  
Sciences, Université Laval,  
Quebec City, PQ G1V 0A6, Canada  
alain.cloutier@sbf.ulaval.ca

Deadline for manuscript  
submissions:

**10 January 2023**

### Message from the Guest Editor

This Special Issue will provide a platform to exchange ideas on the innovative use of timber and wood-based composites for building construction, with an emphasis on the applications of new structural timber design, the development of new wood-based composites for exterior and interior use, and the performance of the buildings in various aspects, including safety, comfort and sustainability.

Potential topics include, but are not limited to, the following:

- Innovative timber structure design;
- Development and application of structural and non-structural wood-based composite materials with new attributes including low emissions, fire resistance and hygrothermal performance;
- Hygrothermal performance of wood-based materials and buildings;
- Acoustic performance of wood-based materials and buildings;
- Durability of wood-based materials and buildings;
- Recycling of building materials.





*forests*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Timothy A. Martin**

School of Forest Resources and Conservation, PO Box 110410, University of Florida, Gainesville, FL 32611-0410, USA

## 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 many other databases.

**Journal Rank:** JCR - Q1 (*Forestry*) / CiteScore - Q1 (*Forestry*)

## Contact Us

---

*Forests*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/forests  
forests@mdpi.com