Special Issue

Performance Testing and Service Life of Wood and Wood-Based Materials

Message from the Guest Editors

There is growing evidence that wood-based materials have predominantly lower energy consumption and CO2 emissions compared to other materials, such as concrete, brick and steel. Wood is a beneficial material in terms of its material properties, its renewable nature, its sustainable production and its ability to store sequestered carbon. Therefore, it is important to test their performance in use. Wood products are used in a variety of circumstances and often biological hazards pose a risk to their service life. Increasing service life, often referred to as wood protection, leads to new wood-based materials. New materials require an appropriate and harmonized test design that leads to performance assessment in terms of predicting service life. Therefore, in this Special Issue, we are collecting contributions from different disciplines, such as wood material science, wood technology, wood pathology, and performance test method evaluation studies. We encourage studies from all fields to advance knowledge and adapt strategies to increase service life and performance classification of wood products for different use classes.

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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.

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