

Special Issue

Performance of Wood and Wood-Based Materials

Message from the Guest Editor

Wood is material with excellent mechanical and functional performance. The main drawbacks of wood is a tendency to degrade through interaction with microorganisms, water, fire, ultraviolet radiation, etc. There are various approaches to improve the service life and or durability of wood; (i) selection of durable wood species, (ii) protection by construction, (iii) impregnation with biocides, and (iv) modification. The chemical composition and hierarchical structure of wood offer vast possibilities for functionalization and modification, to achieve advanced bio-based materials with specific and complex property profiles. This Special Issue welcomes research and review papers that address various type of performances of wood and other lignocellulosic materials and composites including but not limited to mechanical properties, ageing, weathering, durability, leaching, aesthetic, water performance, performance in indoor as well as outdoor applications. Case studies and monitoring reports are welcome as well.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2021)



Forests

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Impact Factor 2.5
CiteScore 4.6



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About the Journal

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.

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