



Recent Developments in Eco-Friendly Wood-Based Composites II

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Traditional wood-based composites are bonded with synthetic formaldehyde-based adhesives. These adhesives bring certain environmental problems because they release formaldehyde emissions, which is a human carcinogen and toxic for the environment. In recent years, significant efforts have been made to reduce formaldehyde emissions from wood-based composites via the reduction of formaldehyde content in resin formulation; the use of scavengers that scavenge formaldehyde; and post-treatment or surface treatment of the wood-based products and use of natural resins. One of the possible directions is the creation of wood composites based on environmentally friendly products. Another alternative to the use of synthetic formaldehyde-based adhesives is to manufacture binderless wood composites.

The aim of this Special Issue is to collect original research and reviews focused on laboratory- and industrial-scale solutions to the sustainable development of novel and eco-friendly wood-based composites.

Prof. Ing. Pavlo Bekhta, DrSc.
Guest Editor





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