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Wood-Based Composite Materials and Products: Development and Performance Characterization

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Message from the Guest Editor

Dear Colleagues,

Regardless of the dimensions and shape of the parts of processed wood, wood-based composites have been manufactured for the most diverse purposes, including uses in furniture (Medium Density Particleboard (MDP), Medium Density Fiberboard (MDF), etc.), materials such as thermal-acoustic insulation, and frameworks (Oriented Strand Board (OSB), Laminated Veneer Lumber (LVL), etc.). The search for materials that have less impact on humans and nature motivates the development of new adhesives. Modified adhesives are usually used in the manufacture of panels with the inclusion of other natural fibers (by-products), residues from synthetic products that are potential aggravating factors for the environment, heat treatments aimed at producing the best performance of these composites under different weather conditions, and to stop attacks by xylophagous agents, among others. This Special Issue focuses on the dissemination of research on alternative wood-based composites and various lignocellulosic residues, as well as their potential applications.



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Special Issue



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