



## The Role of Wood Gluing and Finishing Technologies in a Sustainable World

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### Message from the Guest Editors

The growing threat of environmental contaminants requires the development of a new adhesive and lacquer products system as well as the development of eco-friendly wood-based materials technologies.

Modified water-based and hot-melt adhesives are being introduced to the industry. Apart from waterborne, UV-curing, oil/wax, powder, or HS systems used in wet finishing, various cladding materials in the form of foils, laminates and edges are introduced for the production of wood products. To achieve proper adhesion of adhesives and lacquer products to wood, activation or surface modification of lignocellulosic materials is carried out. This topic include the use of energy-saving and waste-free technologies in regard to sustainable development.

This Special Issue will contribute to the forum for exchanging novel research ideas and empirical practices, which represent and connect a variety of developments in sustainable wood-based materials, ecological adhesives, and lacquer systems, as well as opportunities for using them in the woodworking industry. Emphasis in this Special Issue is placed on the expanding of knowledge concerning the mechanisms of wood-bonding and finishing.





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