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Advances in Technology and Solutions for Wood Processing

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Deadline for manuscript submissions:

31 October 2024

Message from the Guest Editors

Wood is a natural resource that creates challenging conditions for processing machines. It is necessary to appropriately mechanize wood processing to produce a process sufficient to fast and high-quality operations associated with wood processing. Research and development are currently devoted to the improvement of existing methods of mechanical wood cutting and the development of new systems for further processing of wood.

Wood cutting is generally defined as a basic technological process in the production and processing of wood. It significantly affects the organization of production, efficiency, work safety, product quality and the amount of energy consumed. Understanding these factors and their mutual interactions will help researchers to fully understand the very principle of the woodworking process. Knowledge of this issue will help us to eliminate undesirable negative phenomena during wood processing and thus the loss of wood raw material, improving the quality of the entire process from various points of view.



mdpi.com/si/178224

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