

Special Issue

Advances in Wood Characterization and in Tree Sorting and Inspections: Insights from Acoustic Testing and Tomographic Imaging

Message from the Guest Editors

The aim of this Special Issue is to explore the latest developments in acoustic testing and tomographic imaging techniques for tree sorting and inspection, as well as for wood characterization. These methods offer detailed insights into the internal structures of trees, allowing for the precise detection of defects. Ultrasonic testing uses acoustic waves to infer, for example, wood density and elasticity, while tomographic imaging creates detailed 3D images of a tree's internal condition, enhancing tree management practices and timber quality assessments. We welcome contributions in related field mentioned above.

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