

Special Issue

The Influence of Forest Management on Wood Quality and End-Product Potential

Message from the Guest Editors

In the near future, the constant and increased demand for high-quality wood will lead to its scarcity in the global market. This poses a real challenge for modern forestry to find new solutions for better forest management and crop planning methods which not only will preserve forest sustainability, but also lead to increased wood production of a predetermined quality. Currently, however, an insufficient understanding exists with respect to the underlying biology, ecological drivers, and anthropogenic inputs that control the xylem formation process. This Special Issue will focus on addressing this knowledge gap by reporting on research advancements with respect to the factors that directly and indirectly influence the wood formation process, specifically in relation to the underlying biophysical mechanisms as well as forest management inputs that can ultimately affect wood quality and associated end-product potential. Research on climate-sensitive silvicultural tools and methods that can advance crop planning decision-making with respect to wood quality objectives, as well as wood quality investigations into the commercial utility of post-natural-disaster wood, are also welcome.

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