



Forest Mechanization and Harvesting—Trends and Perspectives

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Message from the Guest Editors

Increased societal awareness of the importance of forests in climate change mitigation, has brought more attention to forest harvesting. Now is the time to produce woody raw materials at an unprecedented level of quality using sustainable, economically efficient, and ethical methods.

Forestry firms and companies need to remain competitive in the forest product and bioproduct market, hence the introduction of innovation must be tested against work efficiency.

Forests are spatially distributed resources that benefit from a local supply chain perspective of harvesting operations. Precision Forestry allows finer scale management for forest products tanks to improved decision support systems and purpose-built real-time assistive tools.

This Special Issue focuses on the topic of wood resource extraction (timber, firewood, paper pulp, woodchips, etc.) aimed to supply emerging industrial needs, and in particular:

- Operator safety and ergonomics;
- Improved work efficiency;
- Integrated harvesting;
- Traceability along the supply chain from forest to end user;
- Yarding technology;
- Low soil impacting machines or techniques;
- Advanced technologies in forest and biomass harvest.





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