



Forest Mechanization and Harvesting—Trends and Perspectives

Guest Editors:

Dr. Fabio De Francesco

Consiglio Nazionale delle
Ricerche, Rome, Italy

Prof. Dr. Jingxin Wang

Center for Sustainable
Biomaterials & Bioenergy, West
Virginia University, Morgantown,
WV, USA

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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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Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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