

Special Issue

Impacts of Increasing Bioenergy Production on Timber Harvest and Carbon Emissions

Message from the Guest Editor

Demand for wood biomass has consistently increased in recent years worldwide as a response to the new and ambitious renewable energy strategy at global level. Cost effectiveness of wood biomass harvesting is important and can be achieved by integrating it with timber production—but the possible effects on the soil medium and timber competition. How can innovations in the forestry sector help to limit the emissions released by the whole supply chain in every step? To what extent can the type of forest, harvesting, and storage systems implemented along the chain affect the energetic yield? How does wood biomass quality affect energy performance? All the questions are awaiting an answer from the forestry community.

Contributions should cover (but are not restricted to) the following topics:

Efficiency, costs, and emissions of woody biomass harvest, transformation, and transport;

Environmental impact of biomass removal from forests;

Integration of timber and biomass production for increasing overall process efficiency;

Carbon and energy balances of wood-energy systems; Biomass quality;

Biomass sources from forests, agricultural areas, energy crops and riparian vegetation management.

Guest Editor

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Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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