

Special Issue

Ecological Insights into the Sustainable Development of Bioenergy from Forests

Message from the Guest Editor

Woody biomass derived from forest products is projected to become a progressively important component of the global bioenergy portfolio. An increase in the production of short-rotation woody crops is required to meet the targeted demand for woody biomass. Although much of the historical research on short-rotation forestry focused primarily on biomass production, recent research efforts have begun to investigate how maximizing forest production might positively or negatively impact other ecosystem processes. Such research efforts often rely on interdisciplinary approaches to understand the vegetation, air, soil, and water components of the system. In this Special Issue, we explore current research designed to assess the ecological benefits, costs, and consequences associated with using woody biomass for bioenergy.

Guest Editor

Dr. Doug P. Aubrey

1. University of Georgia's Savannah River Ecology Laboratory, PO Drawer E, Aiken, SC 29802, USA
2. Warnell School of Forestry and Natural Resources, UGA, Athens, GA 30602, USA

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Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

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Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

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

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