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Forest Operations: Planning, Innovation and Sustainability

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Message from the Guest Editors

Dear Colleagues,

Since prehistory, wood has been a fundamental raw material. In recent years, wood demand has increased worldwide, and it is expected that it will continue to increase in the future, considering its role as a renewable material and taking into account the increasing world population. Sustainable management of forest resources is mandatory in order to maintain forests and their multiple functions for Society. In this context, wood harvesting and forest operations are very delicate issues to be studied and analyzed in order to reduce their potential and effective negative effects, maximizing productions and reducing the environmental impacts of forest operations. The aim of this Special Issue is to provide new information on different aspects related to innovation, sustainability and planning forest operations, such as the following: i) optimization of productivity in terms of both quantity and quality; ii) innovative planning of forest operations, including remote-sensing and ICT; iii) innovations in mechanization aimed at increasing the efficiency and/or safety of operations; iv) innovative approaches in reducing environmental impacts related with forest operations; v) forest road planning.

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Guest Editors



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Special Issue



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