Special Issue

Forest Management, Stand Dynamics and Modelling

Message from the Guest Editors

Forests occupy vast areas around the world and provide a wide range of products and services. The new directions of forest management, which place emphasis on forest systems with several productions and services, entail several challenges to management. Additionally, stands and forests are characterized by their long cycles; thus, stand dynamics and modeling are of primordial importance to evaluate and predict the development of the stands as well as their sustainability and productions, especially in the frame of climate change. It is intended that the studies of this Special Issue encompass the following subjects: stand structure, silvicultural practices (from regeneration to harvest), conversion and transformation, modeling, growth, competition, production, spatial distribution, diversity, sustainability, system resilience, abiotic agents, and biotic agents. These may be addressed using the full range of statistical models (e.g., regression methods, design of experiments, cluster analysis, mixed models, artificial intelligence, artificial neural networks).

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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