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Ecological Silviculture Based on Natural Models of Forest Development

Guest Editors:

Dr. Brian J. Palik

Northern Research Station, USDA
Forest Service, Washington, DC,
USA

Dr. Anthony D'Amato

Rubenstein School of
Environment and Natural
Resources, University of Vermont,
Burlington, VT 05405, USA

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submissions:

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Message from the Guest Editors

Ecological silviculture is an approach for managing forest ecosystems, including trees, other organisms, abiotic components, and their interactions, based on emulation of natural models of disturbance and development. In doing this, ecological silviculture is used to sustain or restore the structure, composition, and function of ecosystems while managing multiple services, inclusive of timber and other commodities. While ecological silviculture is grounded in the rich tradition of classic silviculture, including climate change, the rise of third-party forest certification, and the division of the global forest estate into production and conservation forests. For this Special Issue, we seek research papers that highlight the rationale, implementation, and testing of ecological approaches to silviculture based on natural models in different forest ecosystems around the world. Papers may focus on the scientific underpinnings of the silvicultural approach based on understanding natural models or focus on responses to the approach as measured by various ecosystem functions and services, such as regeneration, productivity, structure, diversity, economics, or social acceptability.



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

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