



forests

an Open Access Journal by MDPI



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

Deadline for manuscript
submissions:

closed (31 May 2020)

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.



mdpi.com/si/29034

Special Issue



forests



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank: JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
[X@Forests_MDPI](https://twitter.com/Forests_MDPI)