Special Issue

Ecological Silviculture Based on Natural Models of Forest Development

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.

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)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/29034

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

mdpi.com/journal/forests

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/forests

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).