



Applications of Different Light Spectra in Growing Forest Tree Seedlings

Guest Editor:

Dr. Johanna Riikonen

Natural Resources Institute
Finland (Luke), Neulaniementie 5,
70200 Kuopio, Finland

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Light intensity and wavelength distribution and duration are amongst the most important factors affecting the success of plant production in different cultivation systems. Experiments conducted mostly on crop species but also on a smaller scale on forest tree species have shown that plant production and quality can be optimized by manipulating the spectral composition of light. However, the development of applications for enhancing seedling quality and production efficiency in forest tree nurseries by using different light spectra only began recently. For example, a growing interest in the year-round production of seedlings under controlled conditions has created a need for cost-efficient and environmental friendly cultivation protocols. The aim of this Special Issue of *Forests* is to increase our understanding of the role of light quality in seedling growth and development, and in this way to promote the development of new applications for production of healthy and vigorous seedlings. Manuscript submissions focusing on any aspect of using different light spectra in growing forest tree seedlings are welcome and encouraged.





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