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Applications of Different Light Spectra in Growing Forest Tree Seedlings

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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.

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