Special Issue

Selecting Climate Resilient Tree Species for Forest Restoration – What Is Necessary and What Is Possible?

Message from the Guest Editors

Upcoming forestry decisions on the choice of the most suitable tree species and adequate management concepts in a future warmer world require bringing biological knowledge, silvicultural experience, and economic expertise together and interlocking theory and practice.

- (1) Insufficient knowledge: We invite contributions that improve our knowledge of the influence of climatic factors on the growth and vitality of indigenous tree species and their stress tolerance in order to enable science-based predictions about their performance in a warmer and drier climate.
- (2) Inadequate consideration of research results: Existing knowledge on the stress tolerance and growth physiology of tree species is still not sufficiently used in forestry planning or not adequately transferred to forestry practitioners.
- (3) Gaps in existing forest research capacities and strategies for the future: Interdisciplinarity and the link between basic and applied research are often not well developed, and not much capacity exists to develop innovative concepts beyond the beaten track.

Guest Editors

Prof. Dr. Helge Walentowski

Faculty of Resource Management, Hochschule für Angewandte Wissenschaft und Kunst - Hildesheim/Holzminden/Göttingen, Hildesheim, Germany

Prof. Dr. Christoph Leuschner

Albrecht-von-Haller-Institute for Plant Sciences, Georg August University of Göttingen, Untere Karspüle 2, 37073 Göttingen, Germany

Deadline for manuscript submissions

closed (31 December 2021)



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

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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