



The Scientific Basis of the Target Plant Concept

Guest Editors:

Dr. Anthony S. Davis

College of Forestry, Oregon State
University, Corvallis, OR 97331,
USA

Dr. Jeremiah R. Pinto

USDA Forest Service, Rocky
Mountain Research Station,
Moscow, ID 83843, USA

Deadline for manuscript
submissions:

closed (10 July 2021)

Message from the Guest Editors

Reforestation and restoration using nursery-produced seedlings is often the most reliable way to ensure the successful establishment and rapid growth of native plants. Seedling establishment success depends greatly on decisions and considerations made prior to planting, and yet seedlings are often grown without full consideration of the intended outplanting site and conditions. The best seedling can vary greatly from site to site depending on environmental conditions and objectives, but when strategies align limiting factors and mitigating measures, successful attainment of the objectives of the planting project—be it reforestation or restoration—can be increased. The Target Plant Concept is an effective framework for selecting seedlings and other types of plant material based on specific characteristics best-suited to a given site. These characteristics are often scientifically derived from testing the factors that can be linked to outplanting success, such as seedling morphology and physiology, genetic source, and overcoming limiting factors on outplanting sites.





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