



Genetic Control of Growth, Biomass Allocation, and Survival under Drought Stress

Guest Editors:

Dr. Miloš Ivković

The Commonwealth Scientific
and Industrial Research
Organisation (CSIRO), Building
502, Clunies Ross St, Black
Mountain ACT 2601, Australia

Dr. Sergio Espinoza M.

Department of Forest Sciences,
Universidad Católica del Maule,
Av. San Miguel, Talca 3605, Chile

Deadline for manuscript
submissions:

closed (31 August 2019)

Message from the Guest Editors

There is a large body of literature about physiological and morphological traits affecting the response of forest trees to drought stress. However, there are relatively few studies concerning the genetic control of these traits. Significant differences have been found among geographic origins for traits related to water stress in nursery and field trials. However, more knowledge is needed at the genetic level, including estimates of the genetic variances, genetic correlations, and heritabilities of adaptive traits.

The adaptive responses of trees include both genetic adaptations and phenotypic plasticity. Plastic responses will be highly important for adaptation in forest trees, as drought stress is projected to increase. The physiological mechanisms that are controlling plant performance under drought stress need to be better understood. We encourage studies from all related fields, in native and introduced species, including both original experimental studies and reviews to contribute to this Special Issue.





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editorial Board

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 - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
X@Forests_MDPI