

Special Issue

Advances in Tree Responses to Drought

Message from the Guest Editors

Climate change is a reality, forcing organisms around the globe to adapt to new environmental conditions. Such changes have already taken place in the evolutionary history of trees. On long time scales, trees have been able to adapt their physiology and phenology to these new environmental conditions. Now, however, the change is much faster than ever before. Due to decreasing rainfall and increasing temperatures, every summer, trees are subjected to repeated water stress, which can affect their growth and survival. The physiology of the response to water stress is relatively well described, but what do we know at genomic, transcriptomic, and metabolomic scales? What makes one species or genotype more tolerant to water stress than another? Is an acclimatization to water stress possible? Which trees will be able to withstand water stress? Can omics investigations help to predict the evolution of forests and ecosystems? In this Special issue of *Forests*, we are looking for new research articles, review articles, and opinion papers on the effect of drought stress response on trees at the omics scale.

Guest Editors

Dr. Aurélie Gousset-Dupont

Physique et physiologie Intégratives de l'Arbre en environnement Fluctuant (PIAF), Clermont-Ferrand, France

Dr. Boris Fumanal

Physique et physiologie Intégratives de l'Arbre en environnement Fluctuant (PIAF), Clermont-Ferrand, France

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

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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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

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

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