



Physiological and Biochemical Research on Forest Plants to Improve Abiotic Stress Tolerance

Guest Editors:

Dr. Cecilia Brunetti

Institute for Sustainable Plant
Protection (IPSP), National
Research Council of Italy, 50019
Sesto Fiorentino, Italy

Dr. Antonella Gori

Department of Agriculture, Food,
Environment and Forestry
(DAGRI), University of Florence,
50019 Sesto Fiorentino, Italy

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Message from the Guest Editors

Over the last two decades, the percentage of crown defoliation and tree mortality has increased significantly in several European forests and these declining symptoms have been observed worldwide. Recent evidence of the sudden increases in tree mortality due to severe drought events and heat waves is raising concerns about the future of forests. Understanding the causes of this phenomenon and the mechanisms that allow the tolerance of plants to abiotic stresses is of fundamental importance, which requires new research on different scales, ranging from molecules to plants in their natural environment. In addition, new multidisciplinary approaches are essential to improve forest responses to growing environmental stresses at the molecular level, thus helping us to plan restoration activities and designing new forest management actions.

The Special Issue will focus on new research or review papers focused on physiology, genetic analyses and biochemical analyses in forest plants threatened by abiotic stresses.





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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