

## Special Issue

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

### 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.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 October 2024)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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