



Physiological Response of Trees to Stress

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Message from the Guest Editor

One of the distinctive features of trees, especially forest trees, are the longevity of the tree species and distinct spatial arrangement of the tree crown. These characteristics are responsible for the strong relation between trees' vitality, forest stability and permanent impacts of bio- and biotical environmental factors. It is possible to denominate forest trees as an important "bio-integrator" of both local and global environment. The responses of trees to stress can be found at different spatial and temporal levels, ranging from the subcellular reactions up to the stand and ecosystem levels. At the present time, particularly climate changes, more frequently occurring extreme climatic events starting to be a big problem. Moreover, these climate events have consequences for insect/fungi attacks. It is really novel and extremely important imperative for current research orientation. Thus, encouraging intensive research, summarizing the current knowledge, and transferring the scientific achievements into praxis is of great importance.





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