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Analyses of Stress Impact on Forest Ecosystems Connected with Global Climate Changes

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Message from the Guest Editors

A significant aspect of the scientific work conducted on forest ecology in recent years has been dealing with the analysis of the complex interaction between stress factors that essentially limit the functioning of forest ecosystems and different components of forest tree species adaptation mechanisms. Despite the significant progress in this field, many important questions remain unanswered. The scope of the Special Issue is to collect the latest findings regarding these issues and address the following questions: (a) How will stress factors driven by global climate changes impact forest ecosystems world-wide? (b) Which short- and long-term response mechanisms can be exploited by forest trees to adapt to altered environmental conditions? (c) How can the new knowledge be transferred and integrated into forest practice? We welcome papers that deal with the effects of different biotic and abiotic stress factors, including extreme climatic events, such as drought, heat, late frosts and floods, on tree's performances and timber production. The Special Issue calls for original research articles, review articles, and meta-analyses contributing to this important topic.



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Special Issue



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