# **Special Issue**

# Forest Tree Genetics and Breeding in Response to Different Threats

## Message from the Guest Editors

Different threats such as drought, low temperature, heat, heavy metal, salt damage, pests and diseases are important factors restricting the growth of forest trees. Trees have a long growth cycle, and their resilience mechanisms are extremely complex; therefore, improving the resistance of trees to stress has always been a difficult problem for breeders. However, people can modify trees' resistance traits at the genetic level by using genetic engineering technology. This has given rise to a new era in the century of in-depth developments in tree breeding by molecular design. Finding some key regulatory genes of tree resistance to effectively improve the stress traits of trees would directly contribute to genetic improvement for stronger stress resistance and ultimately benefit tree breeding. This Special Issue of *Forests* guides the genetics breeding of forest trees in response to different environmental stresses and explores the fields of genetics and molecular mechanisms of tree stressresistance traits, seeking new breeding strategies that can improve trees' resistance against environmental stress.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (31 July 2024)



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## Message from the Editor-in-Chief

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#### Editor-in-Chief

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