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## Strategies for Tree Improvement under Stress Conditions

Guest Editors:

**Dr. Jie Luo**

College of Horticulture & Forestry  
Sciences, Huazhong Agricultural  
University, Wuhan 430070, China

**Dr. Wentao Hu**

College of Forestry and  
Landscape Architecture, South  
China Agricultural University,  
Guangzhou 510642, China

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### Message from the Guest Editors

Dear Colleagues,

Perennial woody plants usually are faced with multifactorial adverse conditions during their long lifespan, which impairs their growth and productivity. To cope with these adverse conditions, trees deploy morphological, physiological, and molecular responses to adapt to the environmental constraints. By using high-throughput sequencing and bioinformatic approaches, many hub genes involved in stress responses were identified. In recent years, with the advantages of transgenic technology in woody plants, many candidate genes participating in stress responses were functionally characterized and showed great potential for tree improvement under different stresses. On the other hand, cultivation strategies (including beneficial microorganism investigation, beneficial microorganism inoculation, mixed forest, and so on) also play crucial roles in tree improvement under abiotic and biotic stress.

This Special Issue focuses on the strategies for tree improvement under stress conditions; all original research findings and perspectives relative to tree improvement in coping with environmental constraints are welcomed.



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# Special Issue



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Zealand

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Department of Mathematics and  
Physics, Catholic University of  
Brescia, I-25121 Brescia, Italy

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Forests Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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