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Abiotic Stress in Plants: Genetics and Genomics

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Message from the Guest Editors

This Special Issue on plant abiotic stress focuses on the interactions between plants and environmental factors that can affect plant growth. Our aims are to increase our knowledge of molecular mechanisms involved in abiotic stress-related responses and to facilitate the development of novel approaches in stress response research. Abiotic stress comprises all non-living factors that affect plants' normal development, including extremes in temperature, water loss, nutrients, radiation, and other environmental conditions. Full research papers, impactful communications, comprehensive systematic reviews, or featured opinions are particularly welcome.

Topics covered by this Special Issue may include, but are not limited to:

- Gene regulation in differential stress responses;
- Tool and method development for plant stress response research;
- Stress-related response research, including on leaf senescence, plant production, plant development, etc.;
- Different omics and bioinformatic studies involving plant stress resistance analysis;
- miRNAs and other noncoding RNAs involved in plant abiotic stress.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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