

## Special Issue

# Gene Regulation of Abiotic Stress Responses in Plants

### Message from the Guest Editors

Abiotic stresses are a significant threat to crop productivity and global food security. The intensity of abiotic stresses, including drought, heat, heavy metals, low temperature, nutrient deficiency, and salinity, is continuously increasing, which is a primary concern and needs dire attention to tackle these stresses. These abiotic stresses negatively affect the plant life cycle ranging from seed germination to growth, development, flowering, fruiting, and yield. Moreover, these abiotic stresses also negatively affect plant biochemical, physiological, and molecular processes, thereby substantially reducing growth and productivity. Therefore, to overcome the soaring food demands, it is necessary to improve abiotic stress tolerance in plants. Therefore, this Special Issue focuses on understanding the advances in plant genetics to explore different genes for improving tolerance against abiotic stresses. The present Special Issue has a broad scope. We warmly welcome publications on all aspects of abiotic stresses and the use of biotechnological and genetic engineering approaches to improve tolerance against abiotic stresses.

### Guest Editors

Dr. Muhammad Umair Hassan

Research Center on Ecological Sciences, Jiangxi Agricultural University, Nanchang 330045, China

Prof. Dr. Guoqin Huang

Research Center on Ecological Sciences, Jiangxi Agricultural University, Nanchang 330045, China

### Deadline for manuscript submissions

closed (15 December 2023)

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## Genes

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto:genes@mdpi.com)

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*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
Department of Pathology, The University of Alabama at Birmingham,  
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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