

## Special Issue

# Breeding Wheat for Stress Resistance: Towards Future Food Security

### Message from the Guest Editors

Wheat is the most important food crop and the cradle of human civilization. Crop breeding is a continuous process to increase genetic gain through a combination of new alleles for yield and resistance to biotic and abiotic constraints which are increasing at an alarming rate especially in the face of climate change. The frequency of drought and high temperatures and the development of new virulent and aggressive diseases and insects is increasing unabated year on year. In this Special Issue of *Plants*, both review and original research papers will be presented to highlight the progress made in the identification of resistance genes and the development of high-yielding and climate-smart wheat varieties with resistance to biotic (diseases and insects) and abiotic stresses (drought, heat, salinity, cold) and nutritional qualities using classical and molecular breeding approaches and strategies.

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### Guest Editors

Dr. Wuletaw Tadesse

Dr. Marta da Silva Sabino Lopes

Dr. Velu Govindan

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### Deadline for manuscript submissions

closed (30 November 2023)



## Plants

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

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## About the Journal

### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

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