



Molecular Advances in Resistance and Adaptability of Wheat Crops

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

Wheat (*Triticum aestivum* L.) is the most widely adapted and grown cereal crop worldwide, and provides approximately 20% of daily calories for more than 4.5 billion people. It is estimated that an increase of 70% in yield will be required by 2050 in order to protect food security for an increasing global population. Wheat production is vulnerable to various biotic and abiotic stresses, such as low or high temperature, drought, high salinity, diseases and insects. There is a need to increase wheat production while reducing losses caused by abiotic and biotic stresses. Therefore, the scope of this Special Issue included advancements and the latest status on the dissection of the genetic basis of resistance to biotic and abiotic stresses and adaptability to the changing climates, the discovery of new crucial genes and their molecular regulatory networks, as well as molecular breeding for these traits.

Dr. Hongjun Zhang (zhanghongjun01@caas.cn) is co-Guest Editing this Special Issue with me. Please feel free to contact me or Dr. Zhang for details about this Special Issue.





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Message from the Editor-in-Chief

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