

Special Issue

Molecular Advances in Resistance and Adaptability of Wheat Crops

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.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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