

Special Issue

Assimilate Production and Allocation in Plants under Abiotic Stress

Message from the Guest Editors

Due to their sessile nature, plants are inevitably exposed to multiple adverse environmental stresses, which frequently occur nowadays with the onset of global warming. These stresses negatively impact plant growth and development by accumulating reactive oxygen species (ROS), inducing programmed cell death (PCD), impairing assimilate production and allocation, disturbing the source–flow–sink balance, thus leading to a low yield and poor quality. This could adversely affect food security all over the world. Therefore, plants have formed complex response pathways, from gene expressions to plant physiological processes and even architecture through primary and secondary metabolism. To reveal the underlying mechanisms of these plants, we are organizing a Special Issue for *IJMS* to share knowledge about plant responses to abiotic stresses, including drought, heat, cold, salt, heavy metal, high-light and low-light stresses. Authors all over the world are invited to submit original research and review articles on topics related to plant defense mechanisms against abiotic stresses.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)



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Message from the Editor-in-Chief

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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