

Special Issue

Mechanisms of Drought and Heat Tolerance in Plants

Message from the Guest Editor

IJMS welcomes the submission of research and review manuscripts for the Special Issue “Mechanisms of Drought and Heat Tolerance in Plants”. The combination of drought with episodes of extreme weather, known as heat waves, devastates ecosystems at all levels, particularly affecting food production. This Special Issue intends to integrate the morphological, physiological, biochemical, and molecular responses of plants under heat and drought stress with a comprehensive understanding of stress resiliency mechanisms at the cellular, tissue, organ, and whole plant levels. Delving into transcriptional, metabolic, and genetic approaches will advance our knowledge on genes, proteins, non-coding RNAs, and metabolites as targets for sustaining plant health under harsh environmental conditions.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)



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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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