Special Issue

Hormonal Regulation of Stress Adaptation

Message from the Guest Editor

The proposed Special Issue highlights the hormonal signals that govern complex physiological responses and control the production of protective metabolites and proteins when plants enter the "defense mode". Recently published research on plant adaptation to unfavorable environments underscores the central role of hormonal interactions in the mechanisms controlling stress response. One example of this is the identified crosstalk among ethylene, ABA and auxins that inhibits root growth in compacted soil. This Special Issue aims to delve deeper into the hormonal crosstalk that modulates the response towards plant pathogens or acclimation to adverse environmental conditions. Understanding the molecular underpinnings of hormonal regulation in adaptive reactions would help develop resilient crops capable of meeting the challenges posed by a changing climate. The communication of emerging approaches, such as in silico analyses, computer modeling, and next-generation genomic techniques, with the potential to advance research in the field of hormonal interactions and signaling under stress will also be a good fit for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2026)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/228525

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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.

Editor-in-Chief

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