

Special Issue

Plant Hormone Signaling: Molecular Mechanisms and Integrated Functions

Message from the Guest Editors

Plant hormones are pivotal orchestrators of virtually every aspect of plant life, from embryogenesis to senescence. They regulate growth, development, and metabolism, and are central to plants' adaptive responses to a constantly changing environment. This Special Issue, titled "Plant Hormone Signaling: Molecular Mechanisms and Integrated Functions," explores the sophisticated molecular networks through which plant hormones coordinate growth, development, and stress adaptation. The contributions included will highlight recent advances in understanding canonical and non-canonical signaling pathways—from hormone perception and transmembrane transduction to transcriptional reprogramming and post-translational regulation. Emphasis is placed on the integration of multiple hormone signals, revealing how crosstalk between auxin, cytokinin, abscisic acid, jasmonate, and other hormones fine-tunes physiological outcomes.

Guest Editors

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Deadline for manuscript submissions

30 September 2026



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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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, and 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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