

Special Issue

Mechanisms and Regulation of Hormone Transport in Plants

Message from the Guest Editor

Plant hormones are essential chemical messengers that regulate a wide range of physiological and developmental processes in plants as well as in non-plant organisms. The members of different hormone classes have diverse and overlapping roles in growth, development and response to environmental cues. Recent research has identified a large number of plant hormone transporters from different classes (such as ATP-binding cassette (ABC), MATE, PIN (PIN) and NITRATE TRANSPORTER 1/PEPTIDE TRANSPORTER FAMILY (NPF)). In addition, the scientific community has invested considerable energy into unraveling their individual and overlapping roles, interactions and modes of regulation at the transport and expression levels. In this context, we invite contributions to this Special Issue from all disciplines that aid in understanding the fascinating process of phytohormone transport. We particularly welcome work from crop plants and beyond the classical model plants. As such, this issue aims to advance our understanding of phytohormone transport, which may provide the basis for improving crop yields, developing new plant biotechnologies and protecting the environment.

Guest Editor

Markus Geisler

Department of Biology, University of Fribourg, Fribourg, Switzerland

Deadline for manuscript submissions

closed (31 October 2023)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/166619

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)



About the Journal

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

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)