

Special Issue

Advances in Functional Genomics of Plant Cell Wall Metabolism

Message from the Guest Editors

Plants build an extracellular matrix called the cell wall that is considered to be their first protective barrier from disease, water loss, and other abiotic stresses. Cell walls form a network that is thought to regulate cell elongation and plant growth. Manipulating the composition and structure of plant cell walls could provide opportunities to design plant products and plants with specific characteristics relevant to food and agricultural applications. Although tremendous progress has been made in elucidating the composition of plant cell walls in a variety of species, many functional aspects (including metabolism) of plant cell walls remain elusive. Fortunately, efforts are being made to develop new technologies and tools to analyze and manipulate plant cell walls, which will help to advance our molecular understanding of cell wall functions. The goal of this Special Issue of *Plants* is to provide insightful and critical advances in the field of functional genomics of plant cell wall metabolism.

Guest Editors

Prof. Ahmed Faik

Environmental and Plant Biology Department, Ohio University, Athens, OH 45701, USA

Dr. Michael Held

Ohio University, Chemistry and Biochemistry Department, Athens, OH 45701, USA

Deadline for manuscript submissions

closed (15 August 2021)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/33375

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, 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)