

Special Issue

Periderm (Cork) Tissue Development in Plants

Message from the Guest Editors

Periderm is a protective tissue of secondary origin that replaces the epidermal cell layer when the latter is damaged. Periderm tissue plays a key role in various fruits and vegetables. It constitutes the skin of potato tubers, sweet potato storage roots, and carrot and forms the reticulated structures decorating different species of melon and cucumber, as well as the cork of tree barks—all of which are desired agricultural traits. However, periderm development has negative outcomes, such as skin russeting in potato, apple, pear, and tomato. Despite its significant impact on plant physiology and agriculture, the developmental and regulatory processes that govern periderm formation and maturation are not fully understood. In this Special Issue entitled, we intend to provide a broad overview on periderm occurrence in plants, including its structural and chemical attributes across species, and highlight the current most fundamental issues in this topic.

Guest Editors

Dr. Idit Ginzberg

Institute of Plant Sciences, Agricultural Research Organization, Volcani Center, Rishon LeZion 7505101, Israel

Dr. Hagai Cohen

Institute of Plant Sciences, Agricultural Research Organization, Volcani Center, Rishon LeZion 7505101, Israel

Deadline for manuscript submissions

closed (31 March 2022)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/70137

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)