

Special Issue

Imaging Tools for the Plant Sciences

Message from the Guest Editor

This special issue will focus on new approaches to imaging, covering a wide range of macro-, micro- and nano-related techniques applied specifically to the study of plants. Examples include (but are not limited to) fluorescence microscopy (widefield, confocal, lifetime, super-res, light sheet), light, chemical (IR/Raman/EDX mapping and chemical probes), electron (cryo, fixed, block face imaging), X-ray, mechanobiology (AFM, Brillouin, mechanical probes), sample preparation (including microfluidics) and various methods of dealing with the data (3D visualisation, segmentation, big data, correlative data).

Guest Editor

Dr. Raymond Wightman

Microscopy Core Facility, Sainsbury Laboratory, University of Cambridge, Bateman Street, Cambridge CB2 1LR, UK

Deadline for manuscript submissions

closed (15 March 2022)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/68251

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](http://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)

