

## Special Issue

# Application of Infrared Sensing and Thermal Imaging on Plants and Crops

### Message from the Guest Editor

Infrared and thermal imaging are well-known noninvasive and contactless techniques. They represent outstanding innovations applied in many fields that are becoming more popular in plant studies and agriculture. This Special Issue welcomes original articles, reviews, and short communications focusing on fundamental or applied research relating to the use of infrared and thermal imaging for the analysis and sensing of plant and crop systems. Contributions on passive or active approaches, realized in proximal or remote scales (e.g., with UAV systems), in laboratories or in fields, are welcome and suited for this Special Issue. We aim to cover spectral scales from NIR to LWIR also through multi- and hyperspectral infrared applications.

### Guest Editor

Dr. Massimo Rippa

Institute of Applied Sciences and Intelligent Systems "E. Caianiello" of CNR, 80072 Pozzuoli, Italy

### Deadline for manuscript submissions

closed (31 August 2024)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/158366](https://mdpi.com/si/158366)

*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto: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)