

## Special Issue

# Climate-Driven Floral Change

### Message from the Guest Editor

In flowering plants, the transition from vegetative to reproductive growth and the onset of flower development is critical to ensure the propagation of the species. These developmental stages are influenced by both predictable changes in external conditions (such as photoperiod) and unpredictable events related to climate change (heat waves, flooding, drought, etc.). Lamentably, fluctuations in environmental conditions are changing the ecological niches of several wild species and threatening the seed production of major crop species. Given the increasing impact of climate change on plant biodiversity and food security, dissecting the signal transduction pathways underlying plant response to abiotic stresses and identifying those genetic determinants controlling adaptive traits are key to maximizing plant fitness in the wild, and guarantee reproductive success in the field.

This Special Issue will encompass research articles and reviews focusing on regulatory mechanisms that mediate the development of reproductive structures in response to environmental limitations related to climate change in a wide range of angiosperms, from model species to crops and wild plants.

---

### Guest Editor

Dr. Michela Osnato

UAB Instituto de Ciencia y Tecnología Ambientales, Cerdanyola del Valles, Spain

---

### Deadline for manuscript submissions

closed (20 May 2023)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/141280](https://mdpi.com/si/141280)

*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, 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)