



*plants*



an Open Access Journal by MDPI

## Circadian Clock during Plant Development

Guest Editors:

**Prof. Dr. Seth Davis**

Department of Biology, University of York, Heslington York YO10 5DD, UK

**Dr. James Ronald**

Institute of Molecular Cell & Systems Biology, University of Glasgow, Glasgow G12 8QQ, UK

**Dr. Eva Herrero Serrano**

Department of Plant Sciences, University of Cambridge, Cambridge, UK

Deadline for manuscript submissions:

**closed (30 November 2022)**

### Message from the Guest Editors

Dear Colleagues,

Circadian clocks are endogenous timekeeping devices that coordinate internal physiological processes with the external environment. This process of synchronization subsequently maximizes the organism's productivity and fitness. In plants, the importance of the circadian clock in controlling juvenile and adult plant development and the transition from vegetative to reproductive development has become well documented. Here, in this Special Issue, we invite original research papers and review articles that provide further insights into the role of the circadian clock in controlling plant development. Molecular, physiological, genetic, anatomic, descriptive, and comparative studies are all welcomed. Additionally, studies or reviews that highlight differences between the architecture or function of the circadian clock between model and crop species circadian clocks are welcomed.

Sincerely,

Prof. Dr. Seth Davis

Dr. James Ronald

Dr. Eva Herrero Serrano

*Guest Editors*



[mdpi.com/si/118500](https://mdpi.com/si/118500)

**Special** *Issue*



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Dilantha Fernando**  
Department of Plant Science,  
University of Manitoba, Winnipeg,  
MB R3T 2N2, Canada

## 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.

## 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)

## Contact Us

---

*Plants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[X@Plants\\_MDPI](https://twitter.com/Plants_MDPI)