



*plants*



an Open Access Journal by MDPI

## Plant Vacuole

Guest Editor:

**Prof. Dr. Diane Bassham**

Department of Genetics,  
Development and Cell Biology,  
Iowa State University, Ames, IA  
50011, USA

Deadline for manuscript  
submissions:

**closed (30 June 2014)**

### Message from the Guest Editor

This Special Issue will highlight recent findings on vacuole structure, function and biogenesis, including but not limited to vacuole formation; vesicle trafficking to the tonoplast and vacuole lumen of newly synthesized proteins and of macromolecules for degradation; transport of ions and metabolites across the tonoplast; and functions in specialized processes such as guard cell movement, gravitropism and stress tolerance. Contributions on any aspect of vacuole biology are welcome.



[mdpi.com/si/3097](http://mdpi.com/si/3097)

**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)