



## Plant Secretory Structures

Guest Editor:

### Dr. Diego Demarco

Departamento de Botânica,  
Instituto de Biociências,  
Universidade de São Paulo, São  
Paulo 05508-090, SP, Brazil

Deadline for manuscript  
submissions:

**closed (30 June 2021)**

### Message from the Guest Editor

Secretory structures, or glands, are widely distributed in all vascular plants and occur in at least one region of the plant body. They are extremely diverse; they may be composed of one cell or numerous cells, be located inside the plant or on its surface, and maintain the secretion within the plant body or release it to the outside. Also, the secretion may be fluid and chemically simple or viscous and composed of complex secondary metabolites. All these distinct aspects of the glands make their study very interesting, and several studies have demonstrated that the secretions produced by plants are directly related to their survival strategies in their various environments and their ecological relationships. In addition, the glands are conservative in most plant lineages, and their emergence may represent key innovations, reflecting the evolutionary history of many groups.

The study of glands involves various types of analyses in relation to their structure, ontogeny, chemical composition, and the function of the secretion, in addition to the most recent analyses regarding immunocytochemistry and gene expression ...





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)