

Special Issue

Plant Secretory Structures

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 ...

Guest Editor

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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.

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