

Special Issue

Plant Cell Structure and Function

Message from the Guest Editor

Cells contain different plant compartments and structures that are essential for their maintenance and function. Among these are the cellular compartments, such as the nucleus, cytoplasm, endoplasmic reticulum, Golgi apparatus, vacuoles and mitochondria and chloroplasts. There are specialized cells in the different tissues and organs of the plant that perform different functions for proper growth and development. Although numerous studies have been carried out on the characterization of the functions of these structures, much remains to be discovered, such as the signaling pathways that occur between the different compartments, and how genes and proteins with different locations interact to promote plant growth and development. This Special Issue of *Plants* will highlight the new studies on the morphology, biochemistry and physiology of the different structures present in plant cells, as well as the interactions between them and the environment.

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, 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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