

Special Issue

Plant Signaling, Behavior and Communication

Message from the Guest Editors

Plant signaling, communication, cognition and behavior are emerging as new frontiers of plant sciences. Recent advances and discoveries have revealed that plants are much more complex and active in their interactions with abiotic and biotic environments. This Special Issue will focus on plant-specific sensory systems, signal perception and transduction, sensory information acquisition and processing as related to active stress adaptation, plant–plant communication and plant–pathogen as well as plant–herbivore interactions. Plant-specific neurotransmitter receptors, such as GABA and glutamate, and specific volatiles enabling plant communication will also be analyzed. Finally, aspects of plant-specific intelligence and cognition supporting plant behavior will also be included. This Special Issue of *Plants* will highlight the most recent advances in plant communication, signaling, cognition and behavior.

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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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