Special Issue

Communication in Plants. Mechanisms for Signal Perception, Emission, and Possible Physiological/Ecological Roles

Message from the Guest Editors

Plants can perceive and emit many types of signals, from volatile organic compounds to acoustic, magnetic, and electrical signals, among others, through which they can communicate with each other or with organisms not belonging to the plant kingdom. They can also communicate through touch or light, take advantage of mycorrhizal networks, discriminate neighbors with respect to kin- and self-recognition, and even possibly distinguish whether neighbors are members of their own species. The Special Issue of *Plants* on "Communication in Plants. Mechanisms for Signal Perception, Emission, and Possible Physiological/Ecological Roles" welcomes the submission of review and research papers or short communications on topics related to the generation, perception, integration and processing of the communication signals used by plants—at the biophysical, biomolecular, physiological, or ecological level—to communicate among themselves and to interact with other organisms.

Guest Editors

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Prof. Dr. Luca Forti

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Deadline for manuscript submissions

closed (30 June 2024)

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About the Journal

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.

Editor-in-Chief

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