

Special Issue

Effector Arsenal of Plant Parasites and Ecological Implications

Message from the Guest Editor

Plant defense manipulation by plant consumers has received much attention in recent years. Molecular mechanisms involved in defense suppression have revealed new insights into the plant defense response and physiological aspects of plant parasites (pathogens and herbivores). Molecules that release plant parasites involved in plant manipulation are called effectors and, nowadays, are considered the main players in the interaction. Plant defense suppression has an impact on population levels, given that manipulated plants become more suitable for other competitors. These drawbacks lead to the following question: why is the plant suppression ability so widespread among plant consumers? The aim of this Special Issue is to collect new articles (original research papers, perspectives, opinions, reviews, modeling approaches) that contribute new insights in the field of plant defense manipulation from a broad point of view, accepting manuscripts that are focused on the molecular mechanisms responsible for plant defense suppression and/or that study the ecological implications of plant defense manipulation.

Guest Editor

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Deadline for manuscript submissions

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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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