

Special Issue

The Role of Beneficial Microbes in the Control of Plant Diseases

Message from the Guest Editor

Plants Journal is delighted to introduce this Issue about beneficial microbes, known to co-exist with plants. Extensive researches in this field provide us with knowledge of their multifaceted beneficial contribution to plant health. Antagonism, plant growth promotion or induction of immune system are some of proposed mechanisms employed to fight crop diseases. However, despite large of knowledge has been accumulated over years regarding these eclectic microbial modes of action, more information is needed about the ecology of microbes, or how they communicate with plants and other microbe residents on the host. In the Issue, we call for papers that deal with this fascinating field, specifically outstanding findings including but not limited to: the chemistry behind direct antagonism or the induction of host immune system; molecular regulation of metabolite production on plants or during interaction with other microbes; interspecies interactions and biofilm formation in beneficial interaction contribution to plants; plant responses to beneficial microbes; ecological modeling of microbe-plant interactions for decision making. Other research related to this field is also welcome.

Guest Editor

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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.

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