

Special Issue

Genetic Control of Plant Interaction with Beneficial Microbes

Message from the Guest Editors

Microorganisms of the plant rhizosphere, together with beneficial endophytes, have a recognized role in maintaining plant health and growth also in limiting soils and under environmental constraints. A deeper insight into the modulation of the plant transcriptional machinery and downstream processes activated by the interactions between beneficial microorganisms and their products will allow a better understanding of the mechanisms underlying microbe recognition, signal transduction, and response, and create opportunities to select and design new plant varieties and strategies to improve the utilization of biostimulants to sustainably enhance plant growth, yield, and survival in changing environments. This Special Issue welcomes all scientific contributions from a broad scope of interdisciplinary research. There will be an emphasis on studies focusing on gene regulation as well as on the function of new genes underlying plant productivity, quality and tolerance to abiotic and biotic stresses mediated by root-interacting, and endophytical beneficial microbes.

Guest Editors

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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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