



plants



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Genetic Control of Plant Interaction with Beneficial Microbes

Guest Editors:

Dr. Marina Tucci

National Research Council of Italy, Institute of Biosciences and BioResources, CNR-IBBR, Via Università 133, 80055 Portici, NA, Italy

Dr. Monica De Palma

National Research Council of Italy, Institute of Biosciences and BioResources, CNR-IBBR, Via Università 133, 80055 Portici (NA), Italy

Deadline for manuscript submissions:

closed (10 February 2023)

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.



mdpi.com/si/64944

Special *issue*



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Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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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Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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