

Special Issue

Relationship Between Plant Microbiome and Immunity

Message from the Guest Editor

Plants undergoing abiotic, pest- and pathogen-induced stresses actively seek and select from the environments beneficial microorganisms, to enhance and strengthen their immunity response. Microbiomes also assist plants in improving the mobilization of nutrients in soil for root uptake and in enhancing their tolerance to environmental stresses. There is an increasing need of investigations about how the plant immune system or the secretion of selective metabolites affects the microbiome and how microbiome affects the plant immune system. Another topic we want to focus on in this Special Issue is the impact of treatments with plant immune hormones, such as jasmonic, salicylic, abscisic acids and ethylene, on the composition of microbiomes and, consequently, on the immune response to pathogen and pest attacks.

The scope of this issue is to collect original research articles and up-to-date reviews on the above-mentioned relationship between microbiome and plant immune response to biotic as well as tolerance to abiotic stresses.

Guest Editor

Dr. Sergio Molinari

Institute for Sustainable Plant Protection, IPSP-Bari Unit, Department of Biology, Agricultural and Food Sciences, DISBA, National Council of Research, CNR, 70126 Bari, Italy

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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