

Special Issue

Microbial Colonization of the Host Plant: Cellular and Molecular Mechanisms

Message from the Guest Editors

The symbiotic interactions of microorganisms with plants have always been very important for the agriculture and the environment. In recent decades, the research in this area has mainly been centered on the mechanisms of signaling between microorganisms and plants. These studies revealed the pathways that enable the entrance to the apoplast and, to some extent, to the symplast of the host plant for selected microorganisms, while restricting colonization by all other microorganisms. The definition of “symbiosis”, however, if interpreted in a broader sense, may be mutually beneficial, partly parasitic, or neutral during the different stages of development. Possible parallels between symbiotic and parasitic colonization, if clarified, could provide a new research direction in this area. We would like to invite our colleagues to share their ideas and results concerning the research of the molecular mechanisms of symbiosis, especially the intracellular stage of colonization, and to submit manuscripts to the Special Issue of *IJMS* entitled: “Microbial colonization of the host plant: cellular and molecular mechanisms of symbiosis”.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)



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Message from the Editor-in-Chief

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.

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