

Special Issue

Plant-Fungi Interaction

Message from the Guest Editor

Plants are colonised by an astonishing diversity of microorganisms, including fungi that find in plants a niche to live and thrive. However, plant colonisation does not, as a rule, inflict disease symptoms. By contrast, a comprehensive continuum of biotic interactions occurs in plants, within many cases, going unnoticed by their host. Fossil records strongly indicate that plants and fungi have been interacting for more than 400 million years. A dynamic plant-fungal communication occurs during these interactions that contributes to the stability of the association. In natural environments, these interactions are further influenced by biotic and abiotic factors.

This Special Issue is intended to increase our understanding of: (1) how plants and beneficial fungi (including but not restricted to endophytes, endo- and ectomycorrhizal fungi) communicate with each other, including the role of effector proteins, secondary metabolites, small RNAs, etc; and (2) how plants are shaped from the fungal association (enhanced plant growth, developmental changes, modified biotic and abiotic stress resistance, etc).

Guest Editor

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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.

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