

Special Issue

Plant–Fungal Interactions

Message from the Guest Editor

Plant–fungal interactions are of fundamental importance in world agriculture. These interactions are either symbiotic or pathogenic. Beneficial plant-colonizing fungi deliver benefits to their hosts by promoting growth, producing secondary metabolites and enhancing resistance to biotic and abiotic stresses. In this Special Issue, we invite front-line researchers and authors to submit original research and review articles that explore “Fundamental and Translational Research in Plant–Fungal Interactions”. The potential topics include, but are not limited to:

- Fungal virulence effectors
- Functional genomics of fungal virulence
- Plant defense mechanisms
- Fungal resistance genes
- Antifungal strategies
- Genetic engineering of fungal resistance
- Plant and fungal factors regulating symbiotic plant–fungal associations
- Mechanisms of induced systemic resistance by beneficial fungi
- Harnessing beneficial fungi as biocontrol agents

Guest Editor

Dr. Dilip Shah

Donald Danforth Plant Science Center, St. Louis, MO 63132, USA

Deadline for manuscript submissions

closed (30 June 2018)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/12704

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)