

Special Issue

Molecular Advances in Understanding Plant-Microbe Interactions

Message from the Guest Editors

Plant-microbe interactions are essential for plant growth, development and defence. Molecular advances in plant-microbe interactions have significantly enhanced our understanding of the complex biochemical, genetic, and ecological processes that underpin these relationships. From the genetic basis of symbiosis to the molecular mechanisms of pathogen resistance and microbial community dynamics, these insights open new possibilities for improving crop productivity, disease resistance, and environmental sustainability. Papers which shed a light on molecular background of plant-microbe symbiosis, pathogenesis and plant immunity, microbial signalling as well microbiome-based interactions will be suitable for reviewing. With this special issue we would like to explore the complex molecular dialogue between plants and microbes, providing further opportunities for innovation in agriculture and environmental management.

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Deadline for manuscript submissions

20 January 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/230272

*International Journal of
Molecular Sciences*
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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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