

Special Issue

Molecular Advances in Plant–Microbial Interaction

Message from the Guest Editor

We are pleased to announce the Special Issue “Molecular Advances in Plant–Microbial Interaction” in the *International Journal of Molecular Sciences* and invite researchers from around the world to contribute their latest findings. Plants constantly interact with a diverse range of microorganisms, including bacteria, fungi, and viruses. These interactions can be either beneficial, supporting growth, nutrient uptake, and stress resilience, or detrimental, causing disease and crop loss. Understanding the molecular mechanisms that govern these relationships is essential for advancing fundamental plant biology and developing sustainable strategies for agriculture and environmental management. We welcome original research and review articles on topics such as plant immune signaling, microbial effector functions, symbiosis and mutualistic interactions, microbiome assembly and dynamics, cross-kingdom communication, and epigenetic or small RNA-mediated regulation. Contributions that employ high-throughput -omics, bioinformatics, advanced molecular techniques, or systems biology approaches are especially encouraged.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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