

Special Issue

Plant Defense Response to Microbial, Herbivorous, and Environmental Interactions

Message from the Guest Editor

This Special Issue will accept articles reporting on inducible plant defense responses including chemical defense systems, such as microbial-associated molecular patterns (MAMPs), hypersensitive responses, pathogen-degrading enzymes, pathogenic-related (PR) proteins (like defensins, chitinases, β -1,3-glucanases, thaumatin-like, proteases, peroxidase, salicylate, and jasmonate) and toxic chemicals (such as terpenes, phenolics, and histamines), and mechanisms by which pathogens overcome plant resistance. The Special Issue will also consider studies reporting mechanisms of mutualistic plant–microbial interactions, microbial-induced plant defense, and microbial chemicals used in biological control, stress tolerance, and plant growth stimulation.

Guest Editor

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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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