Special Issue

Plant Defense against Pathogens and Herbivores

Message from the Guest Editor

Research on elicitor recognition, signaling, gene regulation, mode of action of defense chemicals/proteins and the tug-of-war between plants and its natural enemies has been at the frontier over the past several decades in modern plant biology, which has greatly enriched our understanding of the molecular basis of effective plant defense. We invite investigators to submit both original research and review articles that explore all the aspects of the plant defense against pathogens and herbivores. Potential topics include, but are not limited to:

- Elicitor recognition
- Defense signaling
- Local and systemic plant defense mechanisms
- Induction and memory of plant defense mechanisms
- Genetic and epigenetic regulation of plant defense
- Gene expression associated with plant defense responses
- Defense priming
- Chemical defense
- Plant surface and cell wall defense
- Mode of action of defense-related chemicals and proteins
- Counter-defense mechanisms by pathogens and herbivores
- Genetic engineering of plant defense
- Plant defense and fitness tradeoff

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)



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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.

Editor-in-Chief

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