

# Special Issue

## Plant Disease Resistance 3.0

### Message from the Guest Editor

Plants evolved a sophisticated pathogen defense mechanism based on innate immunity receptors. The resistance mechanisms to various plant enemies have been under investigation for a long time. A complex network of interactions involved in pathogen recognition and the defense response has been discovered. Genes involved in perception, signaling, hormones and transcription are able to activate or repress several pathogen responsive proteins. To this end, improving our knowledge on molecular alterations in plants subjected to various enemies could aid the identification of principal genes that participate in resistance or susceptibility processes. The aim of this Special Issue is to illustrate the mechanism of the plant defense response. Multidisciplinary approaches that describe the evolution, function and regulation of the plant immune system are welcome. Researchers can contribute with original research findings and reviews to this Special Issue.

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### Guest Editor

Dr. Maria R. Ercolano

Department of Agriculture, University of Naples Federico, Napoli, Italy

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### Deadline for manuscript submissions

closed (30 November 2023)



## 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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### Editor-in-Chief

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