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Origin, Evolution and Functional Mechanisms of Plant Immune System

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Message from the Guest Editors

We are delighted to announce a Special Issue of *Plants* dedicated to exploring the origin, evolution, functional role and regulatory mechanisms of the plant immune system. This Special Issue aims to bring together cutting-edge research and insights into the fascinating world of the plant immune system. We invite contributions covering a wide range of topics, including, but not limited to:

- Genetic mapping of novel R gene loci in crops;
- Functional characterization of immune-related genes;
- Evolution of immune-related genes;
- Application of omics approaches to study plant immunity;
- Co-evolutionary dynamics between plants and pathogens;
- Role of plant hormones and signaling pathways in immunity;
- Engineering plant immunity for enhanced disease resistance.

We welcome original research articles, perspectives, opinions, reviews and methodological papers that contribute to our understanding of plant immune systems from diverse perspectives and methodologies. This Special Issue provides an excellent opportunity to showcase groundbreaking research and foster interdisciplinary collaborations in the field of plant biology.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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