# Special Issue

# Plant Disease Resistance-Related Signaling Pathways and Their Interactions

## Message from the Guest Editor

During their growth and development, plants often suffer from pathogens such as viruses, bacteria, fungi, and nematodes, which damage plant cells and consequently affect plant growth, development, and crop yield. During the interaction between plants and pathogens, a series of disease-resistance-related signaling molecules, such as hydrogen peroxide, salicylic acid, auxin, abscisic acid, jasmonic acid, and ethylene, are produced in plants. These signaling molecules play an important role in plant disease resistance and defense signal transduction networks. A key scientific question that researchers need to address is how disease-resistance-related signaling molecules, in response to different invaders, are transmitted over long distances through the vascular tissues of the plant's roots, stems, and leaves, forming complex regulatory networks and utilizing different signal combinations to enhance the overall resistance of the plant.

### **Guest Editor**

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### Deadline for manuscript submissions

closed (10 January 2025)

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#### Editor-in-Chief

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