

## Special Issue

# Genetic Diversity and Pathogenic Mechanisms in Plant Pathogenic Bacteria

### Message from the Guest Editor

Food security is a critical global issue, with plant bacterial diseases posing significant threats to crop safety, quality, and yield, resulting in major economic losses. Understanding the genetic diversity of plant pathogenic bacteria and their mechanisms of infection can aid in identifying new control targets, potentially leading to the development of novel chemical or biological pesticides. This Special Issue aims to explore the latest advances in the genetic diversity and pathogenic mechanisms of plant bacterial diseases, focusing on the discovery of new control targets. It will cover four key areas: 1) Population genetic analysis of bacterial pathogens in crop diseases; 2) Diversity and pathogenic mechanisms in horticultural crop diseases; 3) Prediction and design of new control targets using structural biology, molecular docking, and related technologies; 4) Cutting-edge technologies in the isolation and detection of pathogens based on genetic diversity and pathogenic mechanisms; 5) Development of inhibitors targeting key pathogenic systems, including the type III secretion and quorum sensing systems.

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### Guest Editor

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### Deadline for manuscript submissions

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## Agronomy

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### Editor-in-Chief

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