

Special Issue

Virulence Strategies of Plant Pathogenic Bacteria

Message from the Guest Editors

Plant diseases caused by bacterial pathogens are major threats to food production. To control bacterial diseases in plants, virulence strategies in plant pathogenic bacteria have to be elucidated because successful bacterial pathogens must have specific virulence mechanisms to infect host plants. Although diverse mechanisms/factors related to virulence have been characterized, it is still unclear how they cause plant diseases. Therefore, elucidation of virulence mechanisms/factors and their functions in plant pathogenic bacteria is indispensable for controlling plant diseases and understanding survival strategies in plant pathogenic bacteria. In this Special Issue, articles focused on bacterial virulence mechanisms in diverse views are welcome. For example, how can these mechanisms cause disease and overcome disease resistant responses in plants? What kind of virulence factors have they and what are their functions? How do bacterial pathogens interact with host plants? The scope of this Special Issue covers genetics, biochemistry, physiology, molecular biology, and related interdisciplinary aspects in bacterial virulence. In addition, omics-based approaches are also welcome.

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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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