

Special Issue

The Mechanism of Pathogen Infection and Defense in Crops

Message from the Guest Editor

Fungal pathogens in crops pose annual threats to global food security as they cause severe and often fatal diseases in crops that result in significant yield reductions and economic losses. Phytopathogenic fungi cause different symptoms (i.e., leaf spots, blights, rust, canker, vascular wilt, root rot, etc.) due to their varied molecular mechanisms, such as toxin and small-effector protein injection. However, many details of infection and plant defense against fungal infection remain unclear. The advancements in genomics and biotechnological tools achieved in recent years have enabled fast-paced research in this field, in turn revealing more molecular details and mechanisms underlying many such crop plant–pathogen interactions. This Special Issue will cover a range of recent advances in crop plant–pathogen interactions at the molecular level and cutting-edge methods of crop fungal disease control. We welcome all relevant molecular and genomic original research and review articles targeting either model plant–pathogen interactions or interactions between crops and pathogens that cause devastating damage.

Guest Editor

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Deadline for manuscript submissions

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Editor-in-Chief

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