Special Issue

Molecular Mechanisms Controlling Crop–Fungal Pathogen Interaction

Message from the Guest Editor

Fungal pathogens in crops pose annual threats to world food security due to the causes of severe and often fatal diseases in crops that result in great yield and economic loss worldwide. Phytopathogenic fungi cause different symptoms (i.e., leaf spots, blights, rust, canker, vascular wilt, root rot, etc.) due to the 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 advancement of genomics and biotechnological tools enables the fast-paced research in this field and, in turn, reveals more molecular details and mechanisms underlying many of such crop plant–fungal pathogen interactions. This Special Issue is devoted to covering a range of recent advances in crop plant–fungal pathogen interactions at the molecular level and cutting-edge approaches for crop fungal disease control. We welcome all relevant molecular and genomic original research and review articles targeting either model plant–fungus interaction or interactions between crops and fungal pathogens causing devastating damage.

Guest Editor

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