

Special Issue

New Advances in Cereal-Fungal Pathogen Interactions

Message from the Guest Editors

Fungal diseases that affect cereals, the most important crops worldwide, are a major risk factor that influence food quality and security. A thorough understanding of pathogens' adaptation mechanisms in hosts and hosts' defense response modulation are key factors in the fight against fungal diseases. Different investigations offer information regarding fungal pathogenesis, host resistance, and mechanisms of action for disease control. In particular, omics techniques, including genomics, metabolomics, transcriptomics, proteomics, and metagenomics, provide valid and powerful tools to help widen our knowledge on intricate interactions among pathogens, hosts, soil natural microflora, the rhizosphere, and environmental conditions. We present this Special Issue with the aim to provide an international platform for a broad audience of researchers to explain and discuss new advancements in studies concerning the complex relationships between pathogens and hosts during fungal infection in cereal crops. We welcome original research articles, scientific reports, communications, and review articles.

Guest Editors

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