

## Special Issue

# Pathogenesis of Wheat Pathogens, Pathogen-Wheat Interaction, and Molecular Design and Breeding of Disease Resistance Wheat

### Message from the Guest Editors

Wheat (*Triticum aestivum* L.) is one of the most important crops in the world. It provides about 20% of the calories consumed by humans and offers more protein than any other food. However, wheat rusts, Fusarium head blight, Fusarium crown rot, powdery mildew and other wheat diseases largely compromise wheat production. A full understanding of the pathogenesis of wheat pathogens and pathogen-wheat interactions will facilitate the design and breeding of disease-resistant wheat. This Special Issue aims to present recent research and advances in the pathogenesis of wheat pathogens, pathogen-wheat interactions, and the molecular design and breeding of disease-resistant wheat. Sub-topics may include (but are not limited to) the molecular identification of wheat pathogens, histological and cytological investigations of the infection and colonization of wheat pathogens, pathogen pathogenesis, wheat resistance/susceptibility genes and their action mechanisms, molecular design and breeding of disease-resistant wheat. Moreover, the Special Issue will serve as a forum to explore the application of new resistance or susceptibility genes in wheat breeding.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 September 2024)

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### Editor-in-Chief

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