



Genetic Diversity of Wheat Fungal Diseases

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Message from the Guest Editors

Wheat is one of the main staple crops worldwide. Fungal diseases cause significant yield losses and alterations in the chemical properties and quality of grain. Climate change, modern soil-saving farming systems, the variety of varieties, and the use of highly specialized fungicides contribute to the expansion of the range and increase in the genetic diversity of widely distributed fungal species, as well as the emergence of new ones. The study of changes in pathogen populations is a pre-requisite for releasing new resistant cultivars. The intensive and continuous cultivation of uniform crop varieties enhances opportunities for pathogen evolution and the natural selection of new strains able to attack their hosts successfully.

Modern methods of molecular diagnostics, the genetic variability and diversity of pathogen populations, new data on the effects of wheat fungal diseases on grain yield and quality, and the analysis of phytopathogenic complexes and their variability are planned to be discussed in this Special Issue.





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Message from the Editor-in-Chief

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