



Cereal Fungal Diseases: Etiology, Breeding, and Integrated Management

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Message from the Guest Editors

Diseases caused by fungal pathogens contribute to a significant reduction in the yield of cereals. Effective plant protection methods require the characterization and control of fungal pathogen populations, as well as the identification and characterization of new, effective sources of resistance.

Monitoring changes in pathogen populations allows us to postulate the speed of breaking down resistance genes in plants, while the genetic and molecular characteristics of resistance genes allow planning effective plant protection strategies related to, for example, gene pyramiding.

We aim to approach the subject comprehensively, publishing research results in the field of:

- The etiology of individual fungal diseases
- Characteristics and dynamics of changes taking place in the population of pathogens
- The diversity of pathogen populations at different levels of genetic information
- The interaction of the plant and the pathogen during infection
- New sources of resistance; identification, characteristics, methods allowing for their identification
- Integrated disease management strategies using agricultural practices.



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Message from the Editor-in-Chief

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