

an Open Access Journal by MDPI

Genes in Wheat Scab Fungus Fusarium graminearum

Guest Editors:

Prof. Dr. Cong Jiang

College of Plant Protection, Northwest A&F University, Xianyang, China

Prof. Dr. Wenhui Zheng

College of Plant Protection, Fujian Agriculture and Forestry University, Fuzhou, China

Prof. Dr. Haifeng Zhang

College of Plant Protection, Nanjing Agricultural University, Nanjing 210095, China

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to attract studies that contribute to enhance our understanding on pathogen biology, host-pathogen interactions, host resistance to diseases, and disease management related to Fusarium head blight (FHB). In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- 1) biology of F. graminearum towards gaining greater insight into the infection process and the weak spots in the disease cycles;
- 2) biosynthesis and regulation of trichothecene mycotoxins in F. graminearum;
- 3) interaction between F. graminearum and its hosts, and plant immunity against F. graminearum;
- 4) new strategies towards the control of FHB and trichothecene mycotoxins production;
- 5) population diversity and adaptive evolution of F. graminearum revealed by genomics and population genomics.

We look forward to receiving your contributions.

Prof. Dr. Cong Jiang

Prof. Dr. Wenhui Zheng

Prof. Dr. Haifeng Zhang

Guest Editors













an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Systems Biology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC,

PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Microbiology) / CiteScore - Q2 (Microbiology)

Contact Us