



Genomics of Fungal Plant Pathogens, 2nd Edition

Guest Editors:

Prof. Dr. Zonghua Wang

1. Institute of Oceanography, Minjiang University, Fuzhou 350108, China
2. State Key Laboratory of Ecological Pest Control for Fujian and Taiwan Crops, College of Plant Protection, Fujian Agriculture and Forestry University, Fuzhou 350002, China

Dr. Jun Huang

Department of Molecular Genetics & Microbiology, Duke University School of Medicine, Durham, NC, USA

Deadline for manuscript submissions:

closed (29 February 2024)

Message from the Guest Editors

Fungi cause most of the severe plant diseases that endanger food safety worldwide. Resistance to fungal pathogens is a major target of breeders; however, the unexpected mutation of avirulence genes has caused a boom and burst cycle in resistance and resistance breakdown. Fungicide-based chemical control is still the most important method to control plant fungal diseases, but most fungicides induce fungi to develop fungicide resistance. Recent advances in sequencing technologies have led to remarkable progress in understanding plant–fungal interactions based on the dissection of fungal genomes. The findings of these studies can be exploited to optimize beneficial interactions and to develop new plant-protection strategies.

This Special Issue is aimed at compiling research, reviews, and opinion articles covering new scientific discoveries in plant–fungal genomics. Articles covering new insights in genomic sequencing, functional genomics, proteomics, metabolomics, molecular biology, ecology dissection, and the molecular mechanisms involved in plant–fungal interactions at the genome level are welcomed.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. David S. Perlin
Hackensack Meridian Health
Center for Discovery and
Innovation, 111 Ideation Way,
Nutley, NJ 07110, USA

Message from the Editor-in-Chief

The *Journal of Fungi* (JoF, ISSN 2309-608X) is an international, peer-reviewed, scientific, open access journal that provides an advanced forum for studies related to pathogenic fungi, fungal biology, and all other aspects of fungal research. Research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Mycology) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Journal of Fungi Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jof
jof@mdpi.com
[X@JoF_MDPI](https://twitter.com/JoF_MDPI)