

Special Issue

Pathogenic Mechanism and Control of Rice Blast Fungus

Message from the Guest Editors

Rice blast, one of the most devastating diseases of rice worldwide, causes 10% to 30% loss of the yield of this staple crop and is an ongoing threat to global food security. Rice blast fungus (anamorph: *Pyricularia oryzae*, teleomorph: *Magnaporthe oryzae*) is a heterothallic ascomycete that forms a specialized infection structure called appressorium for penetrating rice cells. Rice blast fungus can also infect and cause severe diseases in several other crops, including wheat, barley, and millet.

The purpose of this Special Issue is to encourage scientists in the rice blast community to publish their original and high-quality research articles as well as reviews for addressing recent advances on the pathogenic mechanism and control of rice blast fungus. Potential topics include, but are not limited to, fungal pathogenesis, fungus–plant interaction, fungal population biology, fungal molecular epidemiology, fungal avirulence gene variation, strategies for the deployment of resistance genes, green fungicide development, fungicide-resistance mechanisms, and biological control.

Guest Editors

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Deadline for manuscript submissions

closed (1 October 2023)



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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.

Editor-in-Chief

Prof. Dr. David S. Perlin

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