

## Special Issue

# Multifaceted *Beauveria bassiana* and Other Insect-Related Fungi 2.0

### Message from the Guest Editors

Since Agostino Bassi first isolated the fungal pathogenic agent of the white muscardine in insects (later named as *Beauveria bassiana* in his honor), and Élie Metchnikoff cultivated *Metarhizium anisopliae* as a first approach to use fungi as pest control agents, many other entomopathogenic fungi have been studied over the last two centuries. Fungus–insect interactions are known to drive pathogenic cycles that usually culminate in killing the hosts; however, these fungi are also facultative saprophytes in the soil and/or the rhizosphere. *B. bassiana* can also develop endophytic relationships with plants, conferring a level of protection to the host plant from the insects that feed on them. In addition to invertebrate pathology, *B. bassiana* also has diverse applications in a range of other disciplines, including as an important whole cell eukaryotic biocatalyst, and together with other entomopathogenic fungi remains a reservoir for the discovery of numerous secondary metabolites with bioactive functions.

---

### Guest Editors

Dr. Nicolás Pedrini  
Prof. Dr. Éverton Kort Kamp Fernandes  
Dr. Ivan M. Dubovskiy

---

### Deadline for manuscript submissions

closed (31 October 2023)



## Journal of Fungi

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 8.4  
Indexed in PubMed



[mdpi.com/si/134794](https://mdpi.com/si/134794)

*Journal of Fungi*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jof@mdpi.com](mailto:jof@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[jof](https://mdpi.com/journal/)





# Journal of Fungi

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 8.4  
Indexed in PubMed



[mdpi.com/journal/](https://mdpi.com/journal/)

[jof](https://mdpi.com/journal/)



## About the Journal

### 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

Hackensack Meridian Health Center for Discovery and Innovation, 340  
Kingsland Street, Nutley, NJ 07110, USA

---

### 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, CAPIus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

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