

Special Issue

Fungi: What Have We Learned from Omics?

Message from the Guest Editor

Fungi have been long referred to as an understudied and under-understood group of organisms. Fungi are also described as being excellent producers of compounds with activities that can be used in numerous industries, from the food industry to agriculture and health industries. Last but definitely not least, some species are pathogenic to humans (luckily not that many), other animals, plants, and virtually to all eukaryotes. Characterizing a fungus is still a challenge: fungi are diverse in nature, in lifestyles, and in terms of many other characteristics. The advent of omics—from genomics to metabolomics—brought many promises of elucidating the molecular mechanisms that govern fungi physiology. This Special Issue aims to reveal how and what omics have contributed to unravel the fungi complexity. We welcome research and review manuscripts in which omics are used to understand (but are not restricted to): fungal interactions with the environment/hosts, infection or biocontrol mechanisms, and molecular networks that govern the adaptation to new environments or the production of new compounds.

Guest Editor

Prof. Dr. Ana Cristina Esteves

CESAM and Department of Biology, University of Aveiro, Campus
Universitário de Santiago, 3810-193 Aveiro, Portugal

Deadline for manuscript submissions

closed (31 August 2022)



Journal of Fungi

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.4
Indexed in PubMed



mdpi.com/si/98589

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

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)

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



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, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

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