



## Polyphasic Identification of Fungi 3.0

Guest Editors:

**Prof. Dr. Samantha C.  
Karunarathna**

Center for Yunnan Plateau  
Biological Resources Protection  
and Utilization, College of  
Biological Resource and Food  
Engineering, Qujing Normal  
University, Qujing 655011, China

**Prof. Dr. Saowaluck  
Tibpromma**

Center for Yunnan Plateau  
Biological Resources Protection  
and Utilization, College of  
Biological Resource and Food  
Engineering, Qujing Normal  
University, Qujing 655011, China

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

Fungi are the second-most species-rich group after insects. Thus, it is more challenging to estimate the total number of extant fungi species than that of plants and animals. Fungi play key roles in ecosystems as decomposers, endophytes, mutualists, and pathogens. However, in most cases, the roles of individual fungi in nature are still unknown.

Recently, a so-called polyphasic approach has been developed for the consistent identification and characterization of fungi. The polyphasic approach consists of the use of different techniques based on the systematization of scientific knowledge. Different methodologies used in this approach include micro- and macro-morphology, biochemical analyses, and molecular biology. These methods assist taxonomists in establishing a consolidated species concept.

This Special Issue will focus on the polyphasic identification of fungi. Studies covering the taxonomy, ecology, physiology, and phylogeny of fungi and fungal biodiversity estimates are welcome.





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, CAPus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Mycology*) / CiteScore - Q1 (*Ecology, Evolution, Behavior and Systematics*)

## Contact Us

*Journal of Fungi* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/jof](http://mdpi.com/journal/jof)  
[jof@mdpi.com](mailto:jof@mdpi.com)  
[X@JoF\\_MDPI](https://twitter.com/JoF_MDPI)