

## Special Issue

# Innovative Applications and Biomanufacturing of Fungi

### Message from the Guest Editor

Fungi are among the most widespread and ecologically significant organisms on Earth, playing a crucial role as decomposers within various ecosystems. Fungi promote carbon and nitrogen cycling in the biosphere, and a variety of useful products are synthesized. Beyond their fundamental ecological functions, fungi are also remarkable for their capacity to synthesize a diverse array of useful products; some of these products are commercially produced, while others have innovative applications in green biomanufacturing. This Special Issue will focus on the innovative applications and biomanufacturing of fungi, exploring cutting-edge biotechnology approaches for yeasts, molds, and mushrooms. This will include the innovative applications of fungi in industry, agriculture, medicine, and other fields. Studies on the genetic mechanisms of the abovementioned aspects are welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2025)



## Journal of Fungi

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## 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.

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### Editor-in-Chief

Prof. Dr. David S. Perlin

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