



## Antifungal Discovery of Natural Products

Guest Editors:

**Dr. Maria Elisa Rodrigues**

CEB-Centre of Biological Engineering, University of Minho, 4710-057 Braga, Portugal

**Dr. Sónia Silva**

1. I.P – National Institute for Agrarian and Veterinarian Research (INIAV), Vairão, Portugal  
2. Centre of Biological Engineering (CEB), Laboratory of Research in Biofilms Rosário Oliveira (LIBRO), Campus de Gualtar, University of Minho, 4710-057 Braga, Portugal  
3. LABBELS–Associate Laboratory, Braga/Guimarães, Portugal

Deadline for manuscript submissions:

**closed (30 June 2023)**

### Message from the Guest Editors

Fungal infections are commonly treated with antifungal drugs, mainly belonging to the azoles, polyenes and echinocandins classes. However, most of these synthetic antifungal agents present several disadvantages in terms of toxicity, intensity of side effects, drug interactions, lack of fungicidal efficacy, high costs and inducing of resistance on clinical isolates caused by prolonged therapies. Therefore, the development of more effective alternative treatments with fewer human health disadvantages is crucial. The use of natural products for the control of fungicidal diseases has been considered an interesting alternative to synthetic fungicides, presenting several advantages (lower costs; absence of adverse reactions; easy access; application to several pathologies; less negative impact on individual health; low resistance induction). Therefore, natural products are an excellent source of substances that can be used in the formulation of new antifungal agents, being a natural alternative for antimicrobial therapy, thus avoiding synthetic antifungal therapy which has been excessive in recent years.





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, CAPlus / SciFinder, AGRIS, and other databases.

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

## Contact Us

---

*Journal of Fungi* Editorial Office  
MDPI, Grosspeteranlage 5  
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)