

Special Issue

Natural Antifungal Agents

Message from the Guest Editor

Fungi are the highest threat for animal–host and plant–host species. Over one billion people suffer from severe fungal diseases. Bats, amphibians, and reptiles are threatened with extinction by animal pathogenic fungi. Plants and crops are also damaged by fungal diseases. In addition, there is an increase in emerging pathogens and resistance to antifungal drugs. The need to identify new safe agents to reduce the global burden of fungal diseases has prompted the study of plant products as a source of new and effective antifungal agents. Plant products represent a nearly unlimited source of active ingredients. The antifungal activity of some plant extracts against human and plant fungal pathogens has been demonstrated. In this context, studies focusing on exploring the activity of plant products on the growth and on the virulence factors of human/animal/plant pathogenic fungi are required. Plant products could be used to improve the efficacy of conventional antimicrobials, to decrease their adverse effects, and to reverse drug resistance. Selected plant compounds could be also used as templates for the development of new scaffolds of drugs.

Guest Editor

Dr. Giovanna Simonetti

Department of Environmental Biology, “Sapienza” University of Rome, Rome, Italy

Deadline for manuscript submissions

closed (30 July 2023)



Journal of Fungi

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.4
Indexed in PubMed



mdpi.com/si/129679

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)