

## Special Issue

# Advances and Innovations in Fungal Infections

### Message from the Guest Editors

Fungi represent a diverse kingdom with significant ecological, medical, and industrial relevance. Recent research has expanded our understanding of fungal biology, pathogenesis, antifungal resistance, and potential therapeutic targets. Advances in genomics, transcriptomics, and proteomics have enabled the detailed characterisation of pathogenic species such as *Candida*, *Aspergillus*, *Cryptococcus*, and *dermatophytes*, revealing novel virulence mechanisms and adaptive strategies. Emerging topics include the role of fungal biofilms in chronic infections, host–pathogen interactions at the cellular and immunological levels, and the impact of environmental and climate changes on fungal distribution and pathogenicity. Interdisciplinary approaches, including the use of animal models, *in vitro* susceptibility testing, and environmental surveillance, are increasingly vital in addressing public health concerns related to fungal infections. This Issue highlights key findings and innovations that reflect the dynamic and evolving field of medical and environmental mycology.

### Guest Editors

Dr. Andra-Cristina Bostănaru-Iliescu

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### Deadline for manuscript submissions

28 February 2026



## Journal of Fungi

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Impact Factor 4.0  
CiteScore 8.4  
Indexed in PubMed



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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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