Special Issue

Advances in Cryptococcus and Cryptococcosis

Message from the Guest Editors

Cryptococcosis is a fungal disease that claims more than 180,000 victims annually and is caused by the environmental fungi C. neoformans and C. gattii. These species are known for their ability to adapt to the host environment and migrate to the central nervous system, causing the most severe form of the disease, the cryptococcal meningitis, a lethal complication that is still a major therapeutic challenge. Different aspects of this yeast, i.e., virulence factors, interaction with host cells, alternative therapies, among others, have been explored by researchers with different advances in methodologies in the last few years. We invite researchers to share with us new advances, methodologies and knowledge on Cryptococcus and cryptococcosis with research papers, in addition to literature revisions, that compile recent advances in the knowledge of the biology of C. neoformans and C. gattii.
Keywords: C. neoformans; C. gattii; in vitro methods; virulence factors; host; capsule; titan cells; anti-cryptococcal agents; host immune response to cryptococcosis; therapies

Guest Editors

Dr. Nuria Trevijano-Contador

Mycology Reference Laboratory, National Centre for Microbiology, Instituto de Salud Carlos III, Carretera Majadahonda-Pozuelo, 28222 Madrid, Spain

Dr. Haroldo Cesar de Oliveira

Carlos Chagas Institute, Fiocruz, Curitiba, Brazil

Deadline for manuscript submissions

closed (30 May 2022)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/89073

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

MDPI