

Special Issue

Advances in Pediatric Fungal Infections: Diagnosis, Treatment, and Emerging Challenges

Message from the Guest Editor

Invasive fungal diseases (IFDs) remain a major cause of morbidity and mortality among pediatric patients with cancer, hematologic disorders, and those undergoing transplantation. Despite significant progress in diagnostic tools and antifungal therapies, the management of these infections remains complex due to emerging resistant species, diagnostic delays, and host-related factors.

This Special Issue seeks to gather high-quality research and reviews that address critical knowledge gaps. Some of its focal points include, but are not limited to, the following:

- Epidemiology and burden of IFDs in pediatric populations, with a focus on onco-hematologic patients;

- Advances in diagnostic techniques, including biomarkers and molecular tools, that are available for pediatrics;

- When and how to perform antifungal therapeutic drug monitoring in children;

- New antifungal agents that are available for children;

- Host immune responses and risk stratification models;

- Infection prevention strategies and antifungal prophylaxis;

- Rare fungal pathogens in immunocompromised children.

Reviews, original research, and short communications will be welcome.

Guest Editor

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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

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