



Pediatric Diagnostic Microbiology

Guest Editor:

Prof. Dr. Pablo Yagupsky

Clinical Microbiology Laboratory,
Soroka University Medical Center,
Ben-Gurion University of the
Negev, Beer Sheva 8410500,
Israel

Deadline for manuscript
submissions:

closed (15 September 2023)

Message from the Guest Editor

Infectious diseases are the most common problems pediatricians face in their daily practice. Especially, some children may develop rapidly progressive infections that may result in severe morbidity and long-term sequelae if not promptly diagnosed and adequately treated. The detection of the etiologic agents in the young patient presents particular challenges because of the difficulties in the collection of biological specimens such as blood, exudates from small bones and joints, sputum, urine, or cerebrospinal fluid.

Traditionally, the Clinical Microbiology Laboratory has relied on Gram stains, cultures, antigen detection assays, and serological tests to establish the etiology of the infection. In recent years, infectious diseases have been revolutionized by developing and introducing nucleic acid amplification methods that combine exquisite sensitivity, specificity, and biosafety.

The Special Issue aims to present an update on the recent developments in the laboratory diagnosis of pediatric infections, including the use of universal and species-specific molecular methods, panels for syndromic testing, next-generation sequencing, and molecular determination of antibiotic susceptibility.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical
Physiology, Nuclear Medicine &
PET National University Hospital,
Rigshospitalet, University of
Copenhagen, Blegdamsvej 9, DK-
2100 Copenhagen, Denmark

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and 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, Embase, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Contact Us

Diagnostics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/diagnostics
diagnostics@mdpi.com
[X@diagnostic_mdpi](https://twitter.com/diagnostic_mdpi)