

Special Issue

Virulence Factors, Antimicrobial Resistance and Genomics in Pediatric Infectious Diseases

Message from the Guest Editors

The utilization of genomic methodologies, such as multiplex PCR, targeted sequencing, and whole genome sequencing, advances our comprehension of the etiology and mechanisms underlying pediatric infectious diseases. These sophisticated techniques transcend the constraints of traditional microbiological methods, enabling the identification of unknown causative pathogens, pathogen genotyping, detection of antimicrobial resistance genes, and virulence factors. We invite researchers to submit papers for the upcoming special issue titled "Virulence Factors, Antimicrobial Resistance and Genomics in Pediatric Infectious Diseases". This interdisciplinary issue aims to explore the intricate interplay between virulence factors and antimicrobial resistance, shedding light on genomic characteristics and epidemiological surveillance of pediatric infectious diseases using molecular techniques. Authors are encouraged to offer critical analyses and perspectives on current challenges and future directions in this field, aiming to advance our understanding and inform strategies for diagnosis, treatment, and prevention.

Guest Editors

Dr. Elizabeth-Barbara Tatsi

First Department of Pediatrics, Infectious Diseases and Chemotherapy Research Laboratory, Medical School, National and Kapodistrian University of Athens, "Aghia Sophia" Children's Hospital, 11526 Athens, Greece

Dr. Athanasios G. Michos

First Department of Paediatrics, Infectious Diseases and Chemotherapy Research Laboratory, Medical School, National and Kapodistrian University of Athens, "Aghia Sophia" Children's Hospital, 11527 Athens, Greece

Deadline for manuscript submissions

closed (10 November 2024)



Children

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



mdpi.com/si/202022

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

[mdpi.com/journal/
children](https://mdpi.com/journal/children)





Children

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



[mdpi.com/journal/
children](https://mdpi.com/journal/children)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Paul R. Carney

Departments of Child Health and Neurology, University of Missouri, 400 Keene Street, Columbia, MO 65211, 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, Embase, and other databases.

Journal Rank:

JCR - Q2 (Pediatrics) / CiteScore - Q2 (Pediatrics, Perinatology and Child Health)