

Special Issue

Recent Advances and Challenges of Antibiotic Use in Children

Message from the Guest Editor

Antimicrobial resistance represents a substantial threat to the health of children worldwide with increasing rates of highly resistant infections reported from every country with the capacity to diagnose them. However, the pipeline for new antibiotics is extremely limited, and with historically long lag times between the approval for adults and for children, any promising drugs will still not be available for decades. The consumption of unnecessary or incorrectly prescribed antibiotics is an important factor contributing to selective pressure for antibiotic resistance development. With more consumption and fewer effective antibiotics available, many advances in modern medicine, including cancer care, transplantation and even routine surgery are threatened by the potential emergence of untreatable infectious complications. Therefore, we welcome high-quality submissions from all pediatric clinicians, researchers, public health practitioners and pharmacists around the world that highlight current challenges and advances in pediatric antibiotic use.

Guest Editor

Dr. Yanhong Jessika Hu
Murdoch Children's Research Institute, Parkville, VIC, Australia

Deadline for manuscript submissions

closed (20 December 2024)



Children

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



mdpi.com/si/158947

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)