

Special Issue

The Use of Antibiotics in Pediatric Treatment and Its Challenges

Message from the Guest Editor

In the treatment of many pediatric diseases, the use of antibiotics is essential. However, depending on the origin of infections, and the severity of infection, different antibiotics might differ in their effectiveness. New types of antibiotics have also emerged in response to the challenge of pathogenic microorganisms to children's health. At the same time, drug resistance caused by excessive use of traditional antibiotics has also become a major problem in the treatment of children. Therefore, we have organized this Special Issue to summarize the opportunities and challenges in pediatric antibiotic treatment. We welcome high-quality submissions from all pediatric clinicians, researchers and related practitioners around the world. The types of papers accepted in this Special Issue include *articles*, *reviews* and *perspectives*.

Keywords: *pediatric; new borns; preterm; infections; pathogens; pathogenicity factors; immune response; antibiotics; child health*

Guest Editor

Prof. Dr. Brigitte König

Department of Medical Microbiology, Virology and Epidemiology of Infectious Diseases, Medical Faculty, University of Leipzig, Liebig Str. 21, 04103 Leipzig, Germany

Deadline for manuscript submissions

closed (31 October 2021)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/85665

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

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





Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of
Wollongong, Wollongong, NSW 2522, Australia

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)