



Antimicrobial Resistance and Environmental Health

Guest Editor:

Dr. Akebe Luther King Abia

Antimicrobial Research Unit,
College of Health Sciences,
University of KwaZulu-Natal,
Durban 4000, South Africa

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

Dear Colleagues,

The growing threat posed by antimicrobial resistance to human, animal, and environmental health is among the biggest challenges humanity faces in this century. Without appropriate mitigation measures, guided by extensive research in this regard, the situation is anticipated to aggravate, claiming millions of lives and alarmingly impacting the global economy. Thus, it has been suggested that addressing this challenge requires a One Health approach that considers the human, animal, and environmental sectors. However, while considerable research has focused on the human and animal sectors, the environmental sector has been neglected, and where this sector has been addressed, it has been limited to water (mostly) and soil. Furthermore, the atmospheric resistome is still to be considered, despite the undisputed role of air in transmitting human infections. Finally, studies linking the environmental resistome to human health are limited, as many environmental studies focus on monitoring.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nicholas Dixon

School of Chemistry and
Molecular Bioscience, University
of Wollongong, Wollongong, NSW
2522, Australia

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 disciples 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.

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 (Pharmacology and Pharmacy) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)

Contact Us

Antibiotics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/antibiotics
antibiotics@mdpi.com
X@antibioticsmdpi