Special Issue

Environmental Hotspots and Drivers of Antimicrobial Resistance

Message from the Guest Editors

This Special Issue of "Environmental hotspots and drivers for Antimicrobial Resistance" will highlight research findings that cover topics centering on antibiotic resistance and the diverse environmental contexts contributing to it. The following topics (among others) will be considered:

- Environmental hotspots of antibiotic resistance;
- Drivers of selection, persistence, and horizontal transfer of antibiotic resistance (e.g. biocide and heavy metal tolerance) present in diverse environments;
- Whole-genome and metagenomic studies on microbial populations, clones, and mobile genetic elements; associated with antimicrobial resistance (e.g., antibiotics, biocide, heavy metals) from diverse environments.
- Antibiotic resistance evolution in environmental contexts;
- Methodological tools and novel approaches to better detect antibiotic resistance in the environment.

Keywords: antimicrobial resistance; antibiotics; biocides; One Health; environment; clones; mobile genetic elements; genomics; metagenomics; molecular epidemiology

Guest Editors

Dr. Carla Novais

Dr. Patrícia Antunes

Dr. Ana R. Freitas

Deadline for manuscript submissions

closed (30 September 2023)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 7.3
Indexed in PubMed

mdpi.com/si/115785

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

mdpi.com/journal/antibiotics

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 7.3
Indexed in PubMed

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 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.

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

MDPI