

Special Issue

Antimicrobial Resistance (AMR) in Plant and Soil Microbiome

Message from the Guest Editor

Antimicrobial resistance (AMR) has been recognized as a major health issue of global concerns of the 21st century. Emerging evidence suggests that the environment is the single largest source and reservoir of antibiotic resistance determinants. At its heart, the influence of antibiotic resistance on human, animal, and plant health and welfare, as well as its ecological and economic consequences, has reinforced the need for a concerted effort to track and control its emergence and dissemination. Despite a longstanding interest in this topic, currently, we lack a comprehensive understanding of how environmental resistomes change in the context of a changing environment as well as the contribution of the environmental state factors to those changes. This Special Issue will center on metagenomic and population genomic studies on the environmental resistome and its connection to environmental state factors. We are especially interested in the processes that drive the dissemination of AMR between soil and plant.

Guest Editor

Dr. Qinglin Chen

Faculty of Veterinary and Agricultural Sciences, The University of Melbourne, Melbourne, VIC 3010, Australia

Deadline for manuscript submissions

closed (30 November 2022)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/80122

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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