



The Molecular Mechanisms of Antibiotic Resistance

Guest Editors:

Prof. Dr. Bo Peng

School of Life and Science, Sun Yat-Sen University, Guangzhou, China

Prof. Dr. Xiangmin Lin

School of Life Sciences, Fujian Agriculture and Forestry University, Fuzhou 350002, China

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

Bacterial antibiotic resistance has become a serious public health and environmental problem, beginning with the use of antibiotics over 90 years ago. It is extraordinarily necessary to understand intrinsic antibiotic resistance mechanisms for the development of new antibiotics or strategies in the future.

The current poor understanding of bacterial antibiotic resistance, this Special Issue is focused on reports related to the current situation of worldwide bacterial antibiotic resistance mechanisms. We welcome and accept articles exploring antibiotic resistance mechanisms caused by efflux pumps, transferred plasmids, transcriptional factors, antimicrobial resistance genes, PTMs, etc. Furthermore, we also encourage content that provides alternative novel strategies to control or kill antibiotic-resistant bacteria besides the traditional use of antibiotics.





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 (Infectious Diseases) / 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