Special Issue

Pathogenic Bacteria: Genomics, Virulence Factors, and Antibiotic Resistance

Message from the Guest Editor

Pathogenic bacteria induce various diseases, such as intestinal infection, urinary tract infection, pneumonia, and even systemic infection, which cause significant harm to human health. Without effective control, bacterial infection will become the most important cause of death worldwide. Effective treatment and prevention of bacterial infections are essential to human health, and scientific research is the foundation of our defense against bacterial infection. In recent years, research on pathogenic bacteria has mainly included investigating bacterial drug resistance, bacterial virulence, and bacterial genomics in various circumstances. Clinical treatment and drug development depend on the mechanism studies of bacterial drug resistance and the function of their virulence factors. Overall, this Special Issue of *Antibiotics* aims to highlight recent findings in our knowledge of pathogenic bacteria studies, including genomics, virulence factors, and antibiotic resistance, and contributors are encouraged to provide original research papers or reviews in the related fields.

Guest Editor

Prof. Dr. Yunsong Yu

Department of Infectious Diseases, Sir Run Run Shaw Hospital, Zhejiang University School of Medicine, Hangzhou 310052, China

Deadline for manuscript submissions

closed (31 January 2023)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/130513

Antibiotics
Editorial Office
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 4.6
CiteScore 8.7
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 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)

MDPI