Special Issue

Antimicrobial Resistance: What Can We Learn from Genomics?

Message from the Guest Editors

Internationalization and industrialization have dramatically changed the vulnerability of human and animal populations to emerging and re-emerging infectious diseases, changing both the scale and pace of disease outbreaks. Luckily, over the past decade, the development of high-throughput sequencing has facilitated considerable progress in the detection pathogens and strategies for outbreak response efforts. It is now feasible to sequence the genome of a pathogen rapidly, economically, and with high sensitivity, transforming the fields of diagnostics, surveillance, and pathogenesis. Here, in this Special Issue, we aim to provide an insight into the genomic/comparative/metagenomic research on pathogens. Researchers are invited to submit both original research papers and review articles on studies related to the genomics of different pathogens using the comparative genomics or metagenomics approach.

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Deadline for manuscript submissions

closed (31 August 2024)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/52273

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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

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