

Special Issue

Dissecting Antimicrobial Resistance with Systems Approach

Message from the Guest Editor

Dear colleagues, Antimicrobial resistance poses a critical challenge to human health globally. With a marked decline in discovery of novel antimicrobials, the world is now facing an enormous and growing threat from the emergence of bacteria that are resistant to almost all current antibiotics. This special issue aims to provide a forum to disseminate the latest results on systems antimicrobial pharmacology. Papers on the following aspects are of particular interest: discovering novel antimicrobial resistance elements with large-scale genomic or proteomic analysis, elucidating the mechanisms of antimicrobial resistance using multi-omics approach, molecular dynamics simulation, and/or genome-scale metabolic modelling.

Guest Editor

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Deadline for manuscript submissions

closed (1 June 2022)



Antibiotics

an Open Access Journal
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Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



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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 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

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