



The Hidden Pandemic: Tackling Antimicrobial Resistance Mechanisms and Evolution in ESKAPE Pathogens

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Message from the Guest Editors

Dear Colleagues,

I invite you to submit papers for a Special Issue *Antibiotics* entitled “The Hidden Pandemic: Tackling Antimicrobial Resistance Mechanisms and Evolution in ESKAPE Pathogens”, which is dedicated to one of the most important priorities in public health. According to the WHO, the increasing antimicrobial resistance (AMR) of pathogens is a global health crisis. The lack of new antimicrobial drugs and the constant evolution of pathogens are the focal points of this challenge to public health. In this scenario, this Special Issue aims to collect studies investigating the AMR mechanisms in ESKAPE and their evolution.

Potential topics include, but are not limited to, the following:

- Molecular mechanisms involved in bacterial resistance
- Omics to investigate molecular mechanisms and their evolution
- Response to antimicrobials or antibiotics
- Genetics on microorganisms to improve the effects of antimicrobials
- Advances in research on new/current antibiotics and antimicrobials
- Advances in research on alternative compounds or antimicrobial adjuvants acting on virulence and biofilm
- Genetic elements involved in antimicrobial resistance





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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.

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