Special Issue

Antimicrobial Agents: Present Situation and Prospects for the Future

Message from the Guest Editor

Over recent decades, there has been a significant increase in microbial infections that display multidrug resistance, leading to a concomitant increase in mortality rates. As last-line antimicrobial treatments increasingly fail, antimicrobial resistance is becoming an ever-increasing global threat to public health. Metal complexes have demonstrated antimicrobial activity throughout recorded history. With the current growing antibiotic resistance crisis and lack of development of new antibiotics, the use of metals as antimicrobials has gained popularity in recent years, raising the possibility that metal complexes can bring new life to antimicrobial drug discovery. This Special Issue aims to gather papers describing the current use and future development of metal complexes as antimicrobial agents that are active against bacteria, fungi and viruses. We are also welcoming papers describing the discovery of novel targets and mechanisms of action and resistance, as well as the use of omic and bioinformatic approaches for the development of new metal-based antimicrobial leads.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2022)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/79655

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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.

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