

## Special Issue

# Finding Innovative Targets and Mechanisms While Discovering Novel Antimicrobial Agents

### Message from the Guest Editor

Antimicrobial resistance remains a critical and urgent need for public health, and the actual COVID-19 pandemic has further stressed this serious problem. Among the most common multidrug-resistant bacteria, the acronym ESKAPE was ad hoc invented, referring to the most virulent and antibiotic-resistant pathogen strains: *Enterococcus faecium*, *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, and *Enterobacter spp.* These Gram-positive and Gram-negative strains are the major cause of life-threatening infections. The general inefficacy of commonly used antibiotics raises the importance of developing new antibacterial agents having an innovative and effective mechanism of action, able to counter the emergence of resistance. With this Special Issue, all scientists working on antimicrobial agents, specifically those focusing on innovative targets and mechanisms of action, in infectious diseases caused by bacteria, parasites, viruses, and fungi are invited to contribute submissions. All manuscripts dealing with the design and synthesis, biological evaluation, and target validation of novel antimicrobials are welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2022)



## Antibiotics

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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.

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### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
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