

## Special Issue

# Antibiotic Treatment for *Pseudomonas aeruginosa* and Treatment Regimens

### Message from the Guest Editor

*Pseudomonas aeruginosa* is a prevalent opportunistic pathogen that causes various infections in human. It is intrinsically resistant to a variety of antibiotics. Biofilm formation drastically increases the resistance, and persister cells are phenotypic variants that are highly recalcitrant to lethal doses of antibiotics. Mutations and horizontal acquisition of resistant genes further broaden the resistance spectrum and increase the level of resistance. Therefore, it is critical to understand the mechanisms of antimicrobial resistance and the development of resistance. Novel antimicrobials and treatment strategies are urgently needed. This Special Issue welcomes manuscripts describing the study of resistance mechanisms, development of resistance, identification of novel treatment targets and antimicrobials as well as strategies to increase treatment efficacies and repress the evolution of resistance in *P. aeruginosa*. **Keywords:** *Pseudomonas aeruginosa*; antibiotic resistance; novel antimicrobials; treatment strategies

### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2023)



## 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

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