

## Special Issue

# Diagnosis and Antimicrobial Treatment of *Staphylococcus* sp.

### Message from the Guest Editors

*Staphylococcus aureus* is a Gram-positive commensal bacterium that colonizes asymptotically different parts of the body but is also one of the major human pathogens, associated with significant morbidity and mortality worldwide. A major issue associated with *S. aureus* infections is the ability of *S. aureus* isolates to develop antibiotic resistance. Contrary to other pathogens that require a limited number of virulence factors to promote infection, *S. aureus* produces a striking number of toxins and other virulence factors, often responsible for several toxin-mediated diseases. The understanding of the underlining mechanisms of *S. aureus* biofilm formation is also pivotal for the development of new therapeutic strategies. This Special Issue is dedicated to increase our knowledge about the pathogenic mechanism of *S. aureus* infection, aiming at advancing the current understanding on the role of virulence factors and antibiotic resistance elements, as well as to discuss the current and novel treatment strategies under development to tackle *S. aureus* infection. We invite you to submit an original research article or a review related to these topics.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 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

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