

## Special Issue

# Increase of Antimicrobial Resistance Following COVID-19 Pandemic: Current Knowledge and Future Perspectives

### Message from the Guest Editors

The 2022 special report by the CDC on the impact of COVID-19 on antimicrobial resistance (AMR) shows that the pandemic increased antibiotic use and preventive measures. This resulted in a significant increase in the antibiotic resistance of several species. This Special Issue aims to shed light on the implications of this phenomenon to better predict the evolution of AMR. The Issue will reflect current knowledge of the epidemiology, pathogenesis and immunity of the major AMR pathogens, such as *Staphylococcus aureus*, *Clostridioides difficile*, *Klebsiella pneumoniae*, *Neisseria gonorrhoeae*, *Pseudomonas aeruginosa*, *Enterococcus* spp and *Candida* spp. Furthermore, methods for decreasing emergence of AMR such as the development of vaccines and mAbs, better diagnostics and novel antibiotics will also be discussed.

### Guest Editors

Dr. Fabio Bagnoli

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### Deadline for manuscript submissions

closed (15 November 2023)



Microorganisms

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CiteScore 7.7  
Indexed in PubMed



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## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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### Editor-in-Chief

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