

# Special Issue

## Complex Infectious Issues in Critically Ill Patients 2.0

### Message from the Guest Editors

Infection and sepsis, whether community or hospital-acquired, are important causes of morbidity and mortality in ICU and postoperative patients. These conditions require an early, prophylactic and appropriate antibiotic treatment, associated with rapid infection source control, hemodynamic optimization, and support of organ failure. Furthermore, concomitant infection with COVID-19 requires particular attention that requires specific treatment. The  $\beta$ -lactam antibiotics, because of their large antimicrobial spectrum and low toxicity, are among the first-line therapies for critically ill patients, particularly when a Gram-negative infection is suspected. This Special Issue will increase our knowledge of the epidemiology and treatment of complex infections in ICU and postoperative patients, and improve our understanding of the effects of antibiotic use in critical conditions. In addition, we would like to focus attention on the role of co-infection with COVID-19. We welcome all submissions dealing with the emergence of resistance, the epidemiology of multi-drug-resistant pathogens, drug dosing, and/or toxicity related to the use of  $\beta$ -lactam antibiotics.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2023)



## Microorganisms

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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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