Special Issue

Antimicrobial Resistance Trends in the COVID-19 Pandemic

Message from the Guest Editor

The current worldwide pandemic of SARS-CoV-2, the causative agent of COVID-19, highlights the need to analyze the bacterial causative agents of ventilator-associated pneumonia (VAP) and other bacteria coinfections which often complicate pneumonia associated with the coronavirus. Secondary bacterial infections, particularly with resistant bacteria, seem to complicate clinical presentation of COVID-19 and cause increased mortality and length of hospital stay. Increased antibiotic consumption in COVID units favors proliferation of resistant Gram-negative bacteria. There are different species of multidrug-resistant (MDR) or extensively drug-resistant (XDR) organisms which cause bacterial superinfections in COVID-19 patients, such as ventilator-associated pneumonia (VAP) and bloodstream infections (BSI). The aim of this Special Issue is to analyze the new trends of antimicrobial resistance in the era of the COVID-19 pandemic, war, and other disasters, new resistance traits, laboratory methods in the identification and analysis of resistance determinants, and new therapeutic approaches to treat infections associated with them.

Guest Editor

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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