

## Special Issue

# Invasive Bacterial Diseases: Current State, Challenges, and Treatments

### Message from the Guest Editors

Invasive bacterial diseases (IBD) are one of the major causes of morbidity and mortality among people of different ages throughout the world. They often lead to life-threatening conditions such as sepsis, pneumonia, GBS in infants and pregnant women, and meningitis. The spectrum of causative agents includes streptococci (Group A and B), *Hemophilus influenzae*, *Neisseria meningitidis*, *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Escherichia coli*, etc. These pathogens are evolving genetically to become more virulent as well as acquiring multidrug-resistant phenotypes, making them difficult to treat without vaccines. Despite the current development in a multi-omics-based understanding, there are many caveats in the treatment of IBD, such as initial diagnosis, selection of proper antibiotic regime, biofilm formation and co-infection with multiple pathogens. In this Special Issue, we aim to collect and publish original research articles and reviews that include the diagnosis, epidemiology, and functional and genomic characteristics of these bacterial pathogens in the IBD and will include but are not limited to their pathogenicity, multidrug-resistance, and genetic evolution.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2023)



## Tropical Medicine and Infectious Disease

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CiteScore 4.7  
Indexed in PubMed



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*Tropical Medicine and  
Infectious Disease*  
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#### Editor-in-Chief

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