Special Issue

Recent Advances in *Clostridioides difficile* Infection

Message from the Guest Editor

Clostridioides difficile infection (CDI) is the leading cause of antibiotic-related diarrhea and healthcare-associated infections, as well as a significant cause of morbidity and mortality affecting especially elderly hospitalized patients. Diagnosis of CDI is often difficult and usually based on a clinical history of recent antimicrobial usage and diarrhea in combination with appropriate laboratory tests.

CDI's high recurrence rates, spore generation and antimicrobial resistance are currently significant challenges for the development of new strategies to manage the infection. Within the current treatment landscape, antibiotics such as fidaxomicin and vancomycin are still first-line treatments for CDI, but their effectiveness is limited, and novel microbiota-based therapeutic approaches are currently significant challenges to combat the infection.

This Special Issue aims to collect high-quality research articles, review articles and short communications related to various aspects of Clostridioides difficile infection: bacteria–host interactions, pathogenesis, virulence factors, epidemiology, diagnostic procedures, therapy and prevention.

Guest Editor

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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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