



## Recent Advances in *Clostridioides difficile* Infection

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### 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.





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## Message from the Editor-in-Chief

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