



Carbapenemase Producing Enterobacteriaceae

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Message from the Guest Editors

Carbapenem-producing Enterobacteriaceae (CPE) represent a serious threat among antimicrobial-resistant bacteria. This Special Issue will be dedicated to the epidemiology of carbapenem-resistant Enterobacteriaceae, the emerging threat of resistance to novel antimicrobial molecules, the development of new strategies to optimize the antimicrobial treatments, and limits to the diffusion of CPE.

We invite contributors to submit original research papers, short notes, or reviews in the following areas:

- Emerging threat of resistance in CPE;
- Concepts and strategies to optimize the antimicrobial treatments for CPE infections;
- Management and infection control of patients with infections due to CPE;
- Molecular epidemiology of CPE and changing patterns of the antimicrobial resistance;
- Genomic characterization of CPE in difficult-to-treat infections;
- Characterization of the determinants of antimicrobial resistance to novel antimicrobial molecules;
- Description of novel in vitro diagnostic tools to optimize antimicrobial treatments.





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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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