



Clinically Relevant Bacterial Infections

Guest Editor:

Dr. Ramón Pérez-Tanoira

1. Department of Microbiology,
Hospital Universitario Príncipe de
Asturias, 28805 Madrid, Spain

2. Department of Biomedicine
and Biotechnology, Universidad
de Alcalá, 28801 Alcalá de
Henares, Spain

Deadline for manuscript
submissions:

closed (15 August 2023)

Message from the Guest Editor

The rapid global spread of bacteria that have acquired new resistance mechanisms is one of the greatest threats to global health today, causing infections that are impossible to treat. This problem is accentuated in developing countries, where the lack of a microbiological diagnosis results in a lack of knowledge of the etiological profile and antimicrobial susceptibility of bacterial infections, leading to the use of empirical treatments that are not appropriate to situations in each area and the emergence of new resistances. In addition, it is important to investigate the expression of multiple virulence factors of strains from these countries, such as adhesins, toxins, biofilm formations, and other factors that together contribute to enhance the pathogenicity of bacteria.

All this creates a worrisome scenario in which great selective pressure is exerted on the main etiological agents. Selective pressure is exerted on the main etiological agents, resulting in high levels of antibiotic resistance.

This Special Issue accepts papers related to clinical bacterial research, infection diagnosis, pathogenic mechanisms, and mechanisms of antibiotic resistance, etc.

