Special Issue

Matrix-Assisted Laser Desorption/Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) for the Identification of Pathogenic Microorganisms, 3rd Edition

Message from the Guest Editor

The identification of pathogenic microorganisms for diagnostic purposes has undergone a radical change due to the introduction in clinical microbiology laboratories of Matrix-Assisted Laser Desorption/Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS). The unquestionable rapidity, sensitivity, and reliability of MALDI-TOF MS is also accompanied by its versatility. The commercial systems available for the identification of bacteria and fungi can be borrowed for alternative uses through the intervention of the researchers, such as the identification of microorganisms different from those recognized by the systems, the identification of viruses, the execution of antimicrobial susceptibility testing, etc. This Special Issue aims to present a collection of articles providing a reliable picture of both the traditional and alternative uses of MALDI-TOF MS in the clinical microbiology laboratory, allowing the readers to have a summary of the potential applications of MALDI-TOF MS and stimulate them to identify new ones.

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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