



Matrix-Assisted Laser Desorption/Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS) for the Identification of Pathogenic Microorganisms 3.0

Guest Editor:

Prof. Dr. Adriana Calderaro

Department of Medicine and
Surgery, University of Parma,
43126 Parma, Italy

Deadline for manuscript
submissions:

31 July 2024

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.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology (medical)*)

Contact Us

Microorganisms Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI