Special Issue

Clinical Microbiology and Infectious Diseases

Message from the Guest Editor

The discovery of new pathogens, emerging infections, the acquisition of new resistance mechanisms via microorganisms and the introduction of more and more sophisticated laboratory techniques means that competence is imperative in regard to clinical microbiology and infectious diseases. Clinical microbiology laboratories have a leading role in the success of antimicrobial stewardship programs because they provide information that enables an accurate diagnosis and aids in the therapy of patients. Over the past decade, rapid diagnostic assays have been developed, such as matrix-assisted laser desorption ionization time of flight mass spectrometry (MALDI-TOF MS), the peptide nucleic acid-fluorescence in situ hybridization (PNA-FISH) technique, multiplex nucleic acid assays and quantitative polymerase chain reaction (qPCR). All these methods can provide information regarding the type of pathogen involved in the infective process and the presence of resistance genes in a shorter timeframe compared to traditional assays.

Guest Editor

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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