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Detection of Pathogenic Microorganism

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Message from the Guest Editor

Pathogens are responsible for countless outbreaks of disease among humans, with significant impacts on public health and the economy, and with some possessing stark mortality rates. Pathogenic microorganism detection and identification is a fundamental component of the successful response to and control of epidemics and pandemics caused by bacteria and viruses. Nevertheless, the scientific community must develop innovative diagnostics that provide sample-to-answer techniques as they enable first responders to readily analyse on-site data in the field, an area where molecular and biochemical diagnostics are badly needed.

The aim of this Special Issue is to publish a collection of articles relating to various strategies used to prevent, control and detect the occurrence of pathogenic microorganisms with the ultimate aims of suppressing their survival, multiplication, and entry into the human body. Manuscripts addressing the diagnostic and detection methodologies of pathogenic microorganisms are welcome in this Special Issue.

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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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