Special Issue

Detection of Pathogenic Microorganism

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.

Guest Editor

Dr. Youngbeom Ahn

Division of Microbiology, National Center for Toxicological Research, U.S. Food and Drug Administration, Jefferson, AR 72079, USA

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Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

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About the Journal

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.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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