



Detection of Foodborne Pathogens by Means of Omics Technologies

Guest Editors:

Prof. Dr. Apostolos Vantarakis

Department of Public Health,
School of Medicine, University of
Patras, Patras, Greece

Dr. Maria-Eleni Dimitrakopoulou

Department of Public Health,
School of Medicine, University of
Patras, Patras, Greece

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

One of the main areas that public health has focused on is food safety. Cases of foodborne illnesses are continuously reported around the world. Foodborne diseases are caused by pathogens such as bacteria, fungi, parasites, and viruses, and are categorized either into infection or intoxication illnesses. *Escherichia coli*, *Listeria monocytogenes*, species of *Salmonella* or *Shigella*, Adenovirus, and *Cryptosporidium* are well-known pathogens that primarily use food products as vehicles of transmission. Therefore, the public health sector needs support regarding foodborne pathogen outbreaks. As foodborne incidents remain a problem for public health, a particular emphasis is placed by scientists on innovative techniques that can be applied in the food industry. Recent developments in “Foodomics” approaches could challenge the existing limitations in the detection of foodborne pathogens.

This Special Issue intends to expand our knowledge on the detection of foodborne pathogens by omics methods, from farm to fork. We specifically welcome studies with novel and alternative omics technologies.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary &
Biomedical Sciences, University
of Minnesota, Twin Cities, MN,
USA

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*General Immunology and Microbiology*)

Contact Us

Pathogens Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/pathogens
pathogens@mdpi.com
[X@Pathogens_MDPI](https://twitter.com/Pathogens_MDPI)