Special Issue

Detection of Foodborne Pathogens by Means of Omics Technologies

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.

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Deadline for manuscript submissions

closed (31 October 2023)

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/131378

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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.

Editor-in-Chief

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