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 wellknown 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.

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

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

mdpi.com/journal/pathogens





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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

Prof. Dr. Hinh Ly

Department of Veterinary and Biomedical Sciences, College of Veterinary Medicine, University of Minnesota, Saint Paul, MN 55108, USA

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