Special Issue

Detection and Control of Foodborne and Waterborne Pathogenic Bacteria

Message from the Guest Editors

Foodborne and waterborne bacterial pathogens represent significant health hazards that can occur under certain conditions after the consumption of food or water, resulting in the development of diseases through the manifestation of clinical symptoms in humans or, in some cases, death. This Special Issue is dedicated to the efforts of research agencies and academia to monitor the presence of pathogenic bacteria in food and water by applying culture-dependent and molecular (i.e., culture independent) microbiological methods and techniques, while also trying to control their presence in food commodities by utilizing effective intervention strategies (e.g., modified atmosphere packaging, antimicrobials, sanitation treatments). All articles dealing with different aspects of the aforementioned topics of interest, which are relevant to the detection and control of pathogenic bacteria found in food and water, are more than welcome to be considered for publication in the present Special Issue. Keywords: bacterial pathogens; culture-dependent detection methods; molecular identification methods; food control; water microbiology

Guest Editors

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Deadline for manuscript submissions

closed (10 December 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/45814

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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