



Food Microbiology: The Past and the New Challenges

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Message from the Guest Editors

Food production and distribution systems are becoming more interdependent, integrated, and globalized. At the same time, escalating and heavily publicized outbreaks of foodborne diseases continue to occur, and have raised awareness on the urgent need to ensure food quality and safety.

In spite of modern advances in traceability, authenticity and overall food safety, the need for improvement continues to be debated, not only regarding developing countries, but also for the industrialized world. Amelioration of economic losses due to food spoilage, lowering food processing costs and avoiding transmission of microbial pathogens through the food chain, while satisfying the growing consumer's demands for foods that are ready-to-eat, fresh-tasting, nutrient and vitamin rich, minimally processed and preserved, are major challenges for the current millennium.

In this context, and keeping in mind the One Health concept, quality publications addressing “Food Microbiology: The Past and the New Challenges” constitute a compelling issue for stakeholders and investigators from the farm to the fork.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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