Special Issue

Microbial Ecology of Dairy Products: From Diversity to Functions 2.0

Message from the Guest Editors

Microbial ecology of dairy products is an important and growing area of research in food microbiology. There is a need to understand microbial interactions, microbe–matrix interactions, and the origins and diversity of food microbes, as well as their functionality at different scales (e.g., lab, dairy product models, dairy artisanal and industrial products). The emergence of advanced technologies, including next-generation sequencing approaches and related omics approaches, offer new perspectives for research to deeply investigate the food microbiome. Any research related to dairy fermentation, from the production to the biopreservation of dairy products, will be considered in this topic. This includes the phenotypic and genomic characterization of dairy microbes and communities, the development of microbial solutions (starters and other technological microbes) and investigations of complex microbial ecosystems from origin and diversity to function. We want to share knowledge about dairy food technology and safety, targeting most of the large portfolio of dairy products (e.g., milk, raw milk, any foods made from fermented milk, cheese).

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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