Special Issue

Research on Antimicrobial Strategies in Food Systems

Message from the Guest Editor

Food antimicrobials are essential compounds used in the food industry to maintain product quality and safety. These compounds inhibit the growth of spoilage microorganisms, thereby extending shelf life, and prevent the growth of pathogenic microorganisms, thereby ensuring food safety for consumers. These compounds can be broadly classified into two categories based on their origin: synthetic antimicrobials and natural antimicrobials. Despite the demonstrated efficacy of the direct application of antimicrobials within food systems, consumer concerns regarding the stability, efficacy, and acceptability of processed products have arisen. This may be particularly important in the context of natural antimicrobials, whose sensitivity to environmental factors such as pH, temperature, and light has been shown to lead to degradation. This Special Issue aims to publish manuscripts that highlight advanced strategies for preserving the bioactivity of antimicrobials while maintaining the sensory and functional integrity of food products.

Guest Editor

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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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