Special Issue

Cold Plasma Treatment for Food Safety and Quality

Message from the Guest Editors

To address the challenge of combining global security with the increasing demand for high quality products in the modern food chain, non-thermal technologies represent an emerging opportunity. Cold gas plasma has shown promising results for food sanitation and stabilization. In this direction, it is important to identify the treatment parameters that are crucial for obtaining the desired effects, and also the points when further application of cold gas plasma becomes detrimental for specific food categories, not only in terms of their sensorial quality, but particularly on nutritional aspects. The aim of this Special Issue is to review the potential applications of cold plasma technology for food modification/stabilization, widen comprehension of the effects of this promising technology, and underline the areas that need further investigation.

- Cold gas plasma
- food stability
- degradative phenomena
- novel plasma sources
- processing
- packaging

Guest Editors

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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.

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