

Special Issue

Thermal and Non-thermal Processes in the Food Industry

Message from the Guest Editors

Food processing involves many operations used to obtain food products of an appropriate quality. Depending on the technology used and its parameters, food may have varying processing procedures and compositions. This Special Issue focuses on the effect of various food treatments, both thermal and non-thermal, on food products' quality. Certain technologies can change the chemical composition of the food they process, specifically to improve their safety and nutritional value. The content of biologically active ingredients, especially those exhibiting antioxidant activity, is particularly interesting, because the prevention of reactions initiated by reactive oxygen species is of great importance in preventing the occurrence of noncommunicable diseases (NCDs) such as diabetes, obesity, cardiovascular disease and cancer.

Keywords

- food
- processing
- thermal and non-thermal processes
- nutritional value
- safety
- consumers

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Deadline for manuscript submissions

closed (20 February 2023)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/135989

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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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