# Special Issue

# Novel Thermal and Nonthermal Technologies for Ensuring the Microbiological Safety and Quality of Food

## Message from the Guest Editor

The innovative approaches targeted in this Special Issue cover the whole range of novel thermal and nonthermal technologies such as ohmic heating, microwaves, radiofrequency heating, cold plasma, high-pressure processing, UV light, pulsed electric fields, and ultrasound, among others. In this context of this Special Issue, we invite authors to submit high-quality original research articles, comprehensive review papers or short communications on the effects of novel thermal and nonthermal processing technologies on the safety, biochemical changes, organoleptic properties, shelf life, and nutrient composition of foods. Research articles that address the combination of different novel technologies or combinations of novel with conventional technologies are also welcome. Contributions on consumers' perceptions and acceptability of novel processing technologies will also be considered.

Keywords
Novel processing technologies
Cold atmospheric plasma
High-pressure processing
Pulsed electric fields
UV light
Ultrasound
Nanoparticles
Ohmic heating
Microwaves
Radiofrequencies

**Guest Editor**

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**Deadline for manuscript submissions**

closed (31 March 2021)

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## Message from the Editor-in-Chief

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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