

Special Issue

Novel Approaches for Food Processing and Preservation

Message from the Guest Editor

The United Nations projects an increase in the world population to almost 10 billion by 2050. In addition, there is growing consumer demand for minimally processed food products, as well as growing demand for natural food additives. To meet the challenge of feeding the expanding world population, there is an explosion of alternative and sustainable food resources, particularly protein, ranging from valorisation of meat and fish protein to protein extraction from plant-based and insect sources for the production of meat and fish analogues. Natural food additives in high demand include colourants, preservatives (anti-microbial and antioxidants) and emulsifiers. This Special Issue will cover the following areas, including, but not limited to: the use of pulsed-electric field (and other minimal processing techniques) to extract proteins, with a focus on sustainable sources, particularly plant-based and insect protein; natural food additives with a focus on emulsifiers, foaming agents and antioxidants.

- food processing
- natural food additives
- alternative food
- protein extraction

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

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