



Modern Food Production: New Approaches in Detection, Processing and Packaging Methods

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Message from the Guest Editor

The innovative approaches targeted in this Special Issue include all aspects that contribute to modern food production. Special focus is placed on new detection methods for pathogenic microorganisms and nutrients present in food, advanced food processing, and packaging. Innovations on these aspects can significantly help toward building a more sustainable, safe, and nutritious food supply.

In the context of this Special Issue, we invite authors to submit high-quality original research articles, review papers, or short communications on (i) foodborne pathogen detection, (ii) nutrient determination, (iii) effects of novel thermal and non-thermal processing technologies on food safety and quality, and (iv) the development of novel food packaging methods. Contributions relevant to cultivated meat, life cycle assessment, and consumer behaviour are also welcome.

Keywords

- cold plasma
- high pressure processing
- pulsed electric fields
- novel processing methods
- biosensors
- cultivated meat
- active packaging
- 3D printed packaging





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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.

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