Special Issue

Recent Advances in Quality, Safety and Sensory Analyses of Vegetable Food Products

Message from the Guest Editors

The application of non-conventional technologies or the use of different raw materials in the processing of vegetable food products seeks to respond to consumers' needs and desires. There is an increasing demand for foods with distinct characteristics and superior quality that are also safe, highly nutritious, and minimally processed. Furthermore, it is necessary to apply circular economy principles by reducing waste and valuing the by-products generated during processing by developing new products and applications. Thus, non-conventional technologies aim to obtain products that either preserve or do not negatively alter the physio-chemical, biological, and sensory characteristics of foods. The use of different raw materials, as well as the safety and economic viability of the applied technologies and products obtained, are equally important topics. Special attention will be paid to the following topics:

- High hydrostatic pressure;
- Supercritical fluids;
- Ultrasound;
- Atmospheric cold plasma;
- Ultraviolet radiation;
- Irradiation;
- Microwaves;
- Joule heating and pulsed electric fields;
- Intelligent packaging/active packaging;
- Use of different/alternative raw materials.

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