Special Issue

Emerging Thermal and Non-Thermal Technologies for Food Preservation and Sustainable Food Processing

Message from the Guest Editors

This Special Issue aims to provide an in-depth understanding of the latest technologies and trends regarding food preservation using thermal technologies, such as moderate electric fields/ohmic heating, radio frequency heating, microwave heating, and non-thermal preservation methods such as pulsed electric fields, pulsed light, irradiation, high pressure processing, cold plasma, etc. Topics covered in this Special Issue include, but are not limited to, the following:

- Innovative food preservation and processing technologies;
- Hardle approaches to preservation methods;
- Microbial inactivation during food processing;
- Sustainable processing of foods to minimize energy consumption;
- Emerging thermal and non-thermal technologies and equipment for food processing;
- Impacts of thermal or non-thermal food processing quality and safety of foods;
- The use of science-based digital tools in improving food preservation of foods;
- Synergistic effects of combined preservation methods.

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Editor-in-Chief

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