

## Special Issue

# Innovative Technologies in Food Engineering Towards Sustainability

### Message from the Guest Editor

Innovative technologies in food engineering play a crucial role in driving sustainability within the food industry, helping to reduce waste, enhance efficiency, and minimize the environmental impact of food production, processing, and distribution. With a growing global population, the demand for food is increasing, placing additional pressure on natural resources and the environment. This Special Issue invites original research articles and reviews focused on innovative, sustainable technologies in food engineering. Nonthermal technologies—such as High-Pressure Processing, Pulsed Electric Fields, Ultrasounds, Microwaves, and Cold Atmospheric Plasma—present opportunities to improve food safety, reduce energy consumption, and enhance the quality and sensory attributes of food products, meeting consumer demand for minimally processed, high-quality foods. The issue also seeks to highlight sustainable approaches, including eco-friendly processes throughout the food chain, the development of new foods through the re-use of natural resources (such as alternative proteins), and the valorization of food waste in accordance with Circular Economy principles.

### Guest Editor

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### Deadline for manuscript submissions

1 December 2025



## Sustainability

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

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