

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

closed (1 June 2026)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/219034

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Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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