

Special Issue

Implementing Food Safety Standards in Sustainable Food Processing Practices

Message from the Guest Editors

The global food system is undergoing major change, driven by the need to ensure food safety, reduce environmental impact, and meet demands for public health, climate resilience, and equity. Sustainable food processing—from energy-efficient technologies and circular economy models to eco-packaging and low-emission logistics—must be implemented without compromising food safety or regulatory compliance. Sustainability in food safety management is no longer optional. Innovations in energy, water use, waste reduction, sourcing, and materials are essential—but must uphold safety protocols and consumer trust. The key challenge is balancing safety and sustainability through integrated frameworks, technologies, and governance. This Special Issue welcomes interdisciplinary work from food science, environmental engineering, policy, public health, and more. We seek original research, case studies, reviews, and policy analyses exploring how sustainability and food safety reinforce each other to build safe, resilient, and sustainable food systems.

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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.

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