

Special Issue

Technological and Social Innovations for Sustainable Food System Transition

Message from the Guest Editors

This Special Issue focuses on technological and social innovations that can accelerate meaningful change across the food system, from primary production to consumption.

We invite interdisciplinary research on the following:

Innovations in food engineering and biotechnology that reduce the environmental impacts of food production;

Application of digital tools—such as simulation, artificial intelligence, machine learning, blockchain, and precision agriculture technologies—to enhance the sustainability, transparency, and efficiency of food systems;

Low-emission food products and waste valorization aligned with circular economy principles;

Supply chain solutions that improve access to sustainable, healthy food and strengthen system resilience;

Social innovations—including nudging, education, and policy—that support dietary shifts toward human and planetary health.

The goal is to consolidate evidence-based insights into how integrated innovations can build food systems that respect planetary boundaries, address the climate crisis, uphold food sovereignty, and protect both human and non-human life.

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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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