

Special Issue

Emerging Technologies for Sustainable Agri-Food Systems: From Crop Production to By-Product Utilization

Message from the Guest Editor

This Special Issue welcomes original research articles, reviews, and case studies that explore the intersection of technology, sustainability, and innovation across the agri-food chain. Topics of interest include, but are not limited to, the following: Precision and digital agriculture; Smart monitoring and automation systems; Blockchain and traceability solutions; AI and data-driven decision support; Sustainable food processing and energy efficiency; Valorization of by-products and waste reduction; Circular bioeconomy and biotechnological innovations; Food quality, authenticity, and transparency; Climate-smart and resource-efficient farming systems; Socio-economic, policy, and ethical aspects of technological adoption. By linking technological advances with environmental, economic, and social sustainability, this Special Issue aims to provide a comprehensive overview of how **emerging technologies can drive the transition toward resilient, efficient, and circular agri-food systems**.

Guest Editor

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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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