



Showcasing research from Professor Dr. P. Senthil Kumar, Centre for Pollution Control and Environmental Engineering, School of Engineering and Technology, Pondicherry University, Puducherry, India.

Digitalization of the agro-food sector for achieving sustainable development goals: a review

Increasing food demand, inequality, climate change, and pandemics threaten global food security. Digital technologies are aligned with the UN's sustainable development goals and are poised to play a crucial role in modernizing agriculture, with advancements from AI, precision farming, and data analytics. Digitalization in food safety and e-commerce is increasing, while future trends include blockchains for traceability and personalized foods improving health and nutrition. These approaches boost yield, reduce waste, and promote widespread sustainability.

As featured in:



See P. S. Kumar, A. Kapoor, D.-V. N. Vo et al., *Sustainable Food Technol.*, 2023, **1**, 783.