

## Special Issue

# Food Science: Innovative Techniques, Quality Control, and Sustainability in Food Processing

### Message from the Guest Editors

The food industry faces increasing challenges in ensuring sustainability while maintaining food quality, safety, and nutritional value. Traditional food processing methods often lead to high resource consumption, nutrient loss, and environmental impact. This Special Issue explores innovative technologies that enhance efficiency, reduce waste, and improve food quality while promoting sustainability. Key topics include **sustainable post-harvest treatments, smart packaging, bio-based preservatives, minimal processing techniques for plant-based foods, and innovations in meat and dairy processing, alternative proteins, and microbial fermentation**. This issue will address **defining and quantifying sustainability** in food processing, **assessing socio-economic benefits** such as food security, affordability, and employment, and **exploring policies and regulations** that support sustainable food technologies. By contributing new insights and frameworks, this Issue will help researchers, industry professionals, and policymakers advance sustainable food processing. We invite original research, reviews, and case studies to drive a more resource-efficient and environmentally responsible food industry.

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### Guest Editors

Dr. Lucia Cintia Colibaba

Dr. Camelia Elena Luchian

Dr. Elena Cristina Scutarașu

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### Deadline for manuscript submissions

30 April 2026



## Sustainability

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### Editor-in-Chief

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