

## Special Issue

# Research on Green Processing and Testing Technologies for Food and Beverages

### Message from the Guest Editors

Growing concerns about the environmental impact and the need to optimize production processes have led to the adoption of green processing technologies.

Incorporating such methods in the food and beverage sector can greatly decrease resource usage and waste production while ensuring the safety and quality of the food products and beverages. On the other hand, the use of rapid testing technologies offers the possibility of conducting fast and accurate analyses of raw materials, intermediate, and final products. This not only improves efficiency in quality control and food safety but also reduces response times to potential risks or incidents.

This Special Issue is dedicated to discussing advancements in sustainable, non-thermal food processing methods, for instance, ultrasound, high-pressure processing, cold plasma, pulsed electric fields, UV radiation, and microwave. A special focus is also placed on recent developments in chromatographic and spectroscopic techniques (LC-MS, GC-MS, NMR, FTIR, etc.) as well as rapid testing technologies (PCR, RT-PCR, and NGS). We invite the submission of original research and review articles covering any area described above.

### Guest Editors

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### Deadline for manuscript submissions

15 August 2025



## Processes

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