



Innovative Detection Technology to Meet Food and Fuel Needs—2nd Edition

Guest Editor:

Dr. Chao Hui Feng

1. School of Regional Innovation and Social Design Engineering, Faculty of Engineering, Kitami Institute of Technology, 165 Koen-cho, Kitami 090-8507, Hokkaido, Japan
2. RIKEN Centre for Advanced Photonics, RIKEN, 519-1399 Aramaki-Aoba, Aoba-ku, Sendai 980-0845, Japan

Deadline for manuscript submissions:

30 September 2025

Message from the Guest Editor

Dear Colleagues,

In recent decades, the application of innovative, rapid, and non-invasive technologies to ensure the safety and quality of foodstuffs has become essential. It is therefore crucial to develop simple, fast, and accurate models for detecting the various control or quality parameters of food. On the other hand, biomass-derived biofuels are regarded as a potential alternative source of energy, which could solve the problem of the energy crisis caused by the depletion of fossil fuels.

This Special Issue, entitled “Innovative Detection Technology to Meet Food and Fuel Needs—2nd Edition”, welcomes papers that address the application of new and novel detection technologies in order to develop or enhance current non-destructive methods; this is in order to ensure and control the safety and quality of the food industry. Furthermore, we welcome the submission of original research on numerical studies, advanced techniques and methods, and comprehensive review articles on current state-of-the-art and emerging technologies.

Dr. Chao Hui Feng
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)