

## Special Issue

# Current Research on Contamination Detection and Quality Assessment Based on GC-MS and HPLC-MS in Foods

### Message from the Guest Editor

In recent years, endocrine disruptors have sparked increasing interest on account of their highly adverse effects on human health and, especially, their ability to induce infertility and cancer. In addition, these contaminants are often present in food packaging plastics and other materials, from which they can migrate into food and water. Regulatory bodies are increasingly concerned with their control, which requires using methods capable of detecting them with high sensitivity, accuracy, and precision. Two additional problems in developing such methods arise from the complexity of food matrices and the fact that endocrine disruptors are usually present at exceptionally low, trace levels in foods. This requires using effective sample treatments to reduce matrix effects and preconcentrate the analytes.

The aim of this Special Issue of *Foods* is to disseminate novel methods for determining endocrine disruptors and other contaminants potentially present in food, with special emphasis on effective extraction procedures and quantitation with gas chromatography and liquid chromatography coupled to mass spectrometry. Both original research and review articles are welcome.

---

### Guest Editor

Prof. Dr. Evaristo Ballesteros

Department of Physical and Analytical Chemistry, E.P.S of Linares, University of Jaén, 23700 Jaén, Spain

---

### Deadline for manuscript submissions

closed (31 October 2024)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.0  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/si/172311](https://mdpi.com/si/172311)

*Foods*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[foods@mdpi.com](mailto:foods@mdpi.com)

[mdpi.com/journal/  
foods](https://mdpi.com/journal/foods)





# Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.0  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/journal/  
foods](https://mdpi.com/journal/foods)



## About the Journal

### Message from the Editor-in-Chief

*Foods* (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

---

### Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA
2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, AGRIS, PubAg, and other databases.

#### Journal Rank:

JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).