

## Special Issue

# Analytical and Chemometrics Techniques in Food Quality and Safety

### Message from the Guest Editors

Analytical and chemometric tools in food science are linked to the application of advanced analytical techniques, including gas chromatography–mass spectrometry (GC MS), liquid chromatography with mass spectrometry (MS), diode array detection (DAD), capillary electrophoresis–mass spectrometry (CE MS), inductively coupled plasma (ICP), nuclear magnetic resonance spectroscopy (NMR), infrared spectroscopy (IR), Raman spectroscopy, and hyperspectral and digital imaging. These analytical techniques enable researchers to study the conditions of nutritional exposure conditions and understand food composition (macro, micronutrients, bioactive molecules, or contaminants) and the influence of this on the composition, quality and safety of food. Given the wide range of variables generated by these analytical techniques, the application of multivariate methods in food analytical chemistry studies is essential for various purposes. In this Special Issue, we aim to provide thorough reviews of the latest advancements in the field of food analytical chemistry combined with chemometrics.

---

### Guest Editors

Dr. Fabio De Souza Dias

Instituto de Química, Universidade Federal da Bahia, Campus Universitário de Ondina, Salvador 40170-290, Brazil

Prof. Dr. Alini Tinoco Fricks

Escola de Fácima, Universidade Federal da Bahia, Campus Universitário de Ondina, Salvador 40170-290, Brazil

---

### Deadline for manuscript submissions

closed (10 May 2026)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.0  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/si/232584](https://mdpi.com/si/232584)

*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 14.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2026).