

## Special Issue

# Application of NMR Spectroscopy in Food Analysis

### Message from the Guest Editors

Nuclear magnetic resonance (NMR) is a well-established spectroscopic technique for the investigation of foodstuffs. NMR methodology can address several common food-related challenges and can explore various aspects of foods, including fraud detection, safety, authenticity, traceability, geographical and botanical origin, farming methods, food processing, maturation, and aging. NMR analyses are typically combined with advanced chemometric methods to extract meaningful information from the spectroscopic data, which are also highly regarded. This Special Issue aims to collect original research papers and reviews of NMR applications in food science. High-Field NMR, Low-Field NMR, and magnetic resonance imaging (MRI) and benchtop NMR applications for the food science sector are part of the present Special Issue.

### Guest Editors

Dr. Giacomo Di Matteo

Dr. Anatoly P. Sobolev

Dr. Simone Carradori

### Deadline for manuscript submissions

30 September 2025



## Foods

an Open Access Journal  
by MDPI

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/216327](https://mdpi.com/si/216327)

*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 5.1  
CiteScore 8.7  
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 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).