



*foods*



an Open Access Journal by MDPI

## Novel Approaches for the Analytical Evaluation of Food Quality and Authenticity

Guest Editors:

**Dr. Biagia Musio**

Department of Civil,  
Environmental, Land, Building  
and Chemical Engineering,  
Dicatech, Polytechnic University  
of Bari, Via Edoardo Orabona 4,  
70125 Bari, Italy

**Prof. Dr. Vito Gallo**

Department of Civil,  
Environmental, Land, Building  
and Chemical Engineering,  
Dicatech, Polytechnic University  
of Bari, Via Edoardo Orabona 4,  
70125 Bari, Italy

Deadline for manuscript  
submissions:

**closed (15 January 2024)**

### Message from the Guest Editors

Dear Colleagues,

To date, official tests of authenticity are based on targeted analyses consisting in the isolation/identification of specific markers, usually indicative of a peculiar property of the sample. In most cases, the identification of markers is followed by their quantification and comparison with the limits established according to validated and internationally agreed, recognized and standardized procedures. However, while the targeted approach is well employed for the detection and quantification of known compounds, it may fail to reveal the presence of additives or contaminants not known to the analyst. The non-targeted approach can help overcome this drawback by providing a global view of the characteristics of a food product. Regardless of the approach applied, there is an urgent need to implement new analytical methods, which should consist of sensitive, high throughput and easily validatable analyses, capable of providing rapid and reliable results. This Special Issue will collect the most recent advances in this research field.



[mdpi.com/si/178353](https://mdpi.com/si/178353)

**Special** Issue



*foods*



an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

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

**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))

## Contact Us

---

*Foods* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/foods](http://mdpi.com/journal/foods)  
[foods@mdpi.com](mailto:foods@mdpi.com)  
[X@Foods\\_MDPI](https://twitter.com/Foods_MDPI)