



*foods*



an Open Access Journal by MDPI

## Recent Developments in Identification of Genuine Odor- and Taste-Active Compounds in Foods

Guest Editors:

**Prof. Dr. Remedios Castro-Mejías**

Analytical Chemistry Department (IVAGRO), Faculty of Sciences, University of Cadiz, 11510 Puerto Real, Spain

**Prof. Dr. Enrique Durán-Guerrero**

Analytical Chemistry Department (IVAGRO), Faculty of Sciences, University of Cadiz, 11510 Puerto Real, Spain

Deadline for manuscript submissions:

**closed (30 December 2020)**

### Message from the Guest Editors

Both aroma and taste are important quality criteria for food products, and they have a great influence on our consumption behaviour. Therefore, the accurate quantification, and the study of the level of the compounds related to flavor in the food industry is a growing need nowadays. In recent years, a significant increase in the number of research related to the identification of the characteristic odor- and taste-active compounds of particular foods has been observed, thanks to the development of highly-sensitive and selective analytical methods. In spite of this, as the concentration of the compounds responsible for food odor and taste is usually low, previous highly efficient preconcentration approaches are still necessary for their determination by instrumental techniques, such as gas or liquid chromatography, and/or sensory approaches by selected tasters.

This Special Issue will be focused on the recent analytical developments for the identification of all of the compounds responsible for odor and taste in foods.



[mdpi.com/si/35458](https://mdpi.com/si/35458)

# 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, USA

2. Department of Comparative  
Pathobiology (Courtesy), Purdue  
University, West Lafayette, IN,  
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 & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

## Contact Us

---

*Foods* Editorial Office  
MDPI, St. Alban-Anlage 66  
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