



*foods*



an Open Access Journal by MDPI

## New and Clean Technologies for Extraction Using Microwave Energy

Guest Editors:

**Prof. Dr. Jesus Miguel Lopez Rodilla**

Department of Chemistry,  
Universidade da Beira Interior,  
FibEnTech-UBI, UMR Rua  
Marques de Ávila e Bolama, 6201-  
001 Covilhã, Portugal

**Prof. Dr. Giancarlo Cravotto**

Department of Drug Science and  
Technology, University of Turin,  
via P. Giuria 9, 10125 Turin, Italy

Deadline for manuscript  
submissions:

**closed (10 March 2022)**

### Message from the Guest Editors

In recent years, we have seen the appearance of new technologies for extraction, providing faster separation from the matrix and very much comparable with validated and well-known traditional tedious and hard labor methods. The new technologies for the extraction involved are directed mainly for the laboratory processes. The objective could be food profiling, analysis of content for researching added value compounds, food labelling, authenticity, contaminant analysis, quality control, and value determination, amongst others. One field in particular has been developing in a very interesting way, applying microwave energy in order to accelerate the process of extraction. Microwaves can heat very fast and effectively and promote the use of less or no solvent at all, whilst improving extraction efficiency by rising the pressure. The use of microwaves is widely spread now to digest samples in order to analyze metal contaminants or nutrients. Using similar approaches, the extraction follows a new and potential route for expanding the capabilities of the technology.



[mdpi.com/si/70490](https://mdpi.com/si/70490)

**Special** Issue



*foods*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Arun K. Bhunia**

Department of Food Science,  
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 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)