



## Bioactive Compounds Obtained from Vegetables: Valorizing Agricultural By-Products and Their Use in Healthy and Safety Food Production

Guest Editors:

**Prof. Dr. María José Benito**

Nutrición y Bromatología,  
Escuela de Ingenierías Agrarias,  
Universidad de Extremadura,  
Avd. Adolfo Suárez s/n, 06007  
Badajoz, Spain

**Prof. Dr. Alberto Martín**

Food Science and Nutrition Area,  
University Institute for the  
Research in Agri-food Resources-  
INURA, Universidad de  
Extremadura, 06006 Badajoz,  
Spain

**Prof. Dr. Rocío Casquete  
Palencia**

Nutrición y Bromatología,  
Escuela de Ingenierías Agrarias,  
Universidad de Extremadura,  
Avd. Adolfo Suárez s/n, 06007  
Badajoz, Spain

### Message from the Guest Editors

There is a growing interest in the extraction and identification of new high added-value compounds from the agro-food industry that will valorize the great amount of by-products generated. Many of these bioactive compounds have shown beneficial effects for humans, but they are also of great interest in the food industry, due to their effect of extending the shelf life of foods by their well-known antioxidant and antimicrobial activities. For this reason, an additional research objective is to establish the best conditions for obtaining these compounds from complex by-product structures, without altering their activities. In this Special Issue, we invite papers, covering at least one of the following topics: Identification and characterization of bioactive compounds from vegetable by-products: functional activities; New methodologies for obtaining bioactive compounds from vegetables; Development of new functional foods and ingredients incorporated with bioactive compounds obtained from plant by-products; Technologies for preserving these bioactive compounds for use in food: encapsulation; Bioactive compounds and their behaviour after digestion.

Deadline for manuscript  
submissions:

**closed (20 May 2021)**



[mdpi.com/si/50461](https://mdpi.com/si/50461)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Paul B. Tchounwou**

RCMI Center for Urban Health  
Disparities Research and  
Innovation, Richard Dixon  
Research Center, Morgan State  
University, 1700 E. Cold Spring  
Lane, Baltimore, MD 21251, USA

## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

## Author Benefits

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

**High Visibility:** indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Public Health, Environmental and Occupational Health*)

## Contact Us

*International Journal of  
Environmental Research and Public  
Health* 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/ijerph](http://mdpi.com/journal/ijerph)  
[ijerph@mdpi.com](mailto:ijerph@mdpi.com)  
[X@IJERPH\\_MDPI](https://twitter.com/IJERPH_MDPI)