

## Special Issue

# The Metabolism and Health Benefits of Bioactive Compounds in Foods

### Message from the Guest Editors

There is growing evidence that plant-derived bioactives, including polyphenols, carotenoids and organosulfur compounds, may have several health benefits by reducing or delaying the incidence of non-communicable diseases such as cancer, cardiovascular disorders and diabetes. Those positive effects are dependent, in the first instance, on the bioavailability, absorption and metabolism of bioactives. In this context, the microbiota play an important role since they transform ingested bioactives that reach the colon into low-molecular-weight phenolic and aromatic metabolites which are absorbed into the circulatory system and, further, are subjected to phase II metabolism by mammalian enzymes, producing metabolites with potential biological activities. This Special Issue welcomes manuscripts on i) the reliable phytochemical characterization of fruit- and vegetable-derived product extracts; ii) in vivo and in vitro studies on the absorption and metabolism of food bioactives using targeted and non-targeted approaches; iii) studies dealing with the potential benefits of the consumption of bioactives using cell-based experiments.

### Guest Editors

Prof. Dr. José Manuel Moreno-Rojas

Dr. Gema Pereira Caro

Dr. Raquel Rodríguez Solana

### Deadline for manuscript submissions

closed (10 July 2021)



## Foods

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## 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.

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### Editor-in-Chief

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