Special Issue

Food Bioactive Compounds: Extraction, Identification and Application

Message from the Guest Editor

Foods are complicated materials, which contain nutrient substances as well as functional/bioactive compounds, for instance, flavones, pigments, polyphenol, polysaccharides, oligosaccharides, antioxidants, enzymes, and so on. Furthermore, foods will produce more bioactive compounds during digestion. All these bioactive compounds have critical roles in human healthy even some diseases. Therefore, efficient discovery of such functional/bioactive compounds becomes significant, especially high-throughput discovery or screening. Because of the rapid development of Information Science and Technology and omics (genomics, proteomics, metabolomics, flavor omics, etc.), high-throughput techniques and virtual/in silico prediction technology are greatly promoting the efficient discovery and innovation of bioactive compounds in foods. Accordingly, this Special Issue will focus on the new techniques of screening, prediction, and design of bioactive compounds in foods, including high-throughput methods, virtual/in silico strategies, etc., as well as novel techniques in the assay of the bioactivities in silico, in vitro, or in vivo and the illustration of molecular mechanisms.

Guest Editor

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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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