Special Issue

Extraction and Application of Functional Components in Food

Message from the Guest Editors

Functional components are (bio)molecules with the capacity to modulate one or more metabolic processes or pathways in the human body, resulting in health benefits and the promotion of wellbeing.Functional components can be found in food, beverages, and byproducts and include carotenoids, dietary fiber, fatty acids, flavonoids, isothiocyanates, phenolic acids, plant stanols and sterols, polyols, prebiotics and probiotics, and phytoestrogens. Some properties which link functional components to potential health-modulating roles and functions can be classified into antioxidation, anticancer, antidiabetic, anti-inflammatory, cardiovascular, antimicrobial, immunomodulatory, and anti-hypertensive. In this context, functional components can be applied in the food industry as replacers of synthetic food additives.This Special Issue on the “Extraction and Application of Functional Components in Food” will focus on: i) the extraction, separation, and isolation of functional components from food, beverages, and byproducts; ii) the main analytical techniques used to quantify/characterized functional components; and iii) application of functional components in food and beverages.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2023)

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Editor-in-Chief

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