Special Issue

Discovery and Establishing Health-Beneficial Effects of Bioactive Compounds in Food

Message from the Guest Editors

Foods are complicated materials that contain nutrient substances and functional/bioactive compounds, for instance, flavones, pigments, polyphenols, polysaccharides, oligosaccharides, antioxidants, and enzymes. Foods could produce tons of bioactive compounds during digestion, and all these functional/bioactive compounds play critical roles in human health, even in some diseases. Thus, the present Special Issue will focus on discovery and establishing health-beneficial effects of bioactive compounds in food in terms of new techniques for the screening, prediction, and design of functional/bioactive compounds in foods through high-throughput methods, virtual strategies, etc., as well as the establishment of novel techniques in the methodologies of bioactivities in vitro or in vivo and the illustration of the molecular mechanism to increase our understanding of the biology of bioactive compounds. The discovery of novel health effects of bioactive compounds will provide a scientific basis for future efforts to use biotechnology to modify or fortify foods and their components as a means to improve public health.

Guest Editors

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