Special Issue

Secondary Metabolites from Fruit and Vegetable: Characterization, Bioactivity and Intake

Message from the Guest Editors

Secondary metabolites, which include phenolic compounds, steroids, alkaloids, terpenoids, phytoalexins, and phenanthrenes derived from fruits and vegetables, are diverse in their chemical nature and functionality. Over 50,000 secondary metabolites have been discovered in the plant kingdom. A range of beneficial health properties such as antioxidative, anti-hypertensive, anti-microbial, anti-inflammatory, antidiabetic, anticarcinogenic, and antimutagenic properties, among others, have been attributed to these compounds in a large number of studies published in the last two decades. Interest in new natural bioactive compounds, while enhancing the potentials of the existing ones through synthetic modifications, has been increasing recently. Naturally, focus has been given to extraction, screening for bioactivity in vitro and in vivo, mechanisms of action, synergism and antagonism among the compounds, chemical characterizations, and implications on health following regular intake of these compounds as part of a balanced diet. We aimed at providing a platform to accumulate research findings on the topics mentioned above by esteemed researchers from all over the world.

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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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