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Polyphenols in Food: Current Knowledge and Directions for Future Research II

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Message from the Guest Editors

Over the last several decades, polyphenols have attracted great interest at both at scientific and industrial levels because of their possible use as food additives and/or nutraceuticals especially due to their antioxidant, antimicrobial, and pigment properties. In this sense there have been numerous studies carried out to evaluate their content in food. The large number of published articles that have used methods to determine the total content of phenolic compounds should be noted. Although these methods have been reviled by some authors due to the need to use advanced analytical methods such as high-performance liquid chromatography in order to specifically relate the individual biological activity of each phenolic compound separately, the determination of total phenolic compounds is still important since it can be related to technological processes or as an estimate of the total antioxidant capacity. Additionally, different methods have been evaluated to extract, isolate, and purify the different phenolic compounds, and to determine their biological activity through in vitro and in vivo approaches using bioaccessibility/bioavailability studies.



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Special Issue



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Message from the Editor-in-Chief

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