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Polyphenols in Food: Current Knowledge and Directions for Future Research

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Deadline for manuscript
submissions:

closed (30 May 2021)

Message from the Guest Editor

Dear Colleagues,

Polyphenols have attracted great interest at both scientific and industrial levels due to their possible uses as food additives and/or nutraceuticals, especially due to their antioxidant, antimicrobial, and pigment properties.

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 in order to specifically relate the individual biological activity of each phenolic compound separately, the determination of total phenolic compounds is still important. Additionally, different methods have been evaluated to extract, isolate, and purify the different phenolic compounds and to determine their biological activity through in vitro/vivo studies.

Therefore, it is now necessary to evaluate the current state of the subject and see the line to be marked in the coming years for the widespread use by industry—food, pharmaceutical, and cosmetic—with respect to the use of polyphenols.

Prof. Dr. Celia Carrillo
Guest Editor



mdpi.com/si/42448

Special Issue



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Message from the Editor-in-Chief

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