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The Implications of Polyphenols on Aging

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Deadline for manuscript
submissions:

closed (18 January 2024)

Message from the Guest Editor

Dear Colleagues,

The aging process is characterized by a progressive decline in function and structure throughout the organism, leading to death. Oxidative stress, a condition that occurs when the production of reactive oxygen species overcomes cellular antioxidant defenses, is a common hallmark of aging. Polyphenols are potentially health-promoting compounds in plant foods whose strong antioxidant properties allow them to remove excess reactive oxygen species in the body, prevent cell aging, and delay aging and chronic diseases. Interest in the relationship between diet and aging has grown in recent decades, and some antioxidants have now been identified to be capable of extending the lifespan in various models of aging. This Special Issue aims to bring together the latest research on these topics. Research on the antiaging capabilities of polyphenols and bioactive ingredients and their molecular aspects will be considered. Therefore, it is my great pleasure to invite scientists to submit manuscripts describing original research or review on the topic to this Special Issue.



mdpi.com/si/129496

Special Issue



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