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Anti-aging Properties of Natural Compounds

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Message from the Guest Editors

Aging is defined as the progressive loss of an organism's homeostatic balance. Both stochastic events and genetically-programmed processes seem to contribute to this multifactorial phenomenon, and the same applies for cellular senescence, one of the hallmarks of aging. As human life expectancy increases, age-related diseases are becoming a major burden of our societies, making imperative the need for therapeutic interventions. Natural products were always considered as a promising source for therapeutic compounds, but especially during the last decade a considerable amount of data on anti-aging effects of natural compounds has appeared. Prominent examples, such as the extension of lifespan in animal models by resveratrol or the senolytic effects of quercetin have fueled research on this field.

Accordingly, this Special Issue "Anti-Aging Properties of Natural Compounds" is aimed at presenting novel data on compounds with anti-aging activities, at either the cellular or the organismal levels through original papers and short communications, but also to provide an overview of the current knowledge in this field through reviews.



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Special Issue



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Message from the Editor-in-Chief

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