



Antioxidants in the Processes of Retarding Ageing

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Message from the Guest Editors

Aging is defined as progressive physiological changes in an organism that lead to senescence, or a decline in biological functions and in the organism's ability to adapt to metabolic stress. Numerous hypotheses exist to explain the organismal, cellular, and molecular mechanisms that underlie aging. A recent study indicates that aging is caused by an accumulation of molecular damage, e.g., from reactive oxygen species. Thus, it becomes increasingly important to find compounds that have antioxidant properties to slow down the aging process. In this issue, we invite manuscripts examining the biochemical and molecular mechanisms of action of antioxidants on aging based on model organisms and human cell lines as a crucial biological resource. Studies based on yeast, fruit flies, worms, mice, and rats are welcome. Focused original research articles and review paper are both welcome.





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