



Antioxidants as Anti-Aging Interventions

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Message from the Guest Editors

Ageing is currently defined as a dynamic process that involves the gradual and global accumulation of biological dysfunctions, resulting in the failure of homeostasis. This close relationship between oxidative damage and the ageing process has been established in various model systems, while the improvement of anti-oxidant defenses and dietary antioxidants are capable of extending the (healthy) lifespan of model organisms and alleviating the pathology of age-related diseases. A deep understanding of the molecular pathways involved in redox balance and the identification of the optimal conditions for antioxidant modulation will be crucial for successful clinical applications.

We invite you to submit your latest research findings or a review article to this Special Issue, which will bring together the current research concerning the role of redox status manipulation to alleviate ageing and the relevant disease states. This research can include the following topics: antioxidants, nutraceuticals, diet, regulation of redox homeostasis, proteostasis, cellular stress, ageing and age-related disease, neuroscience, cell signaling and metabolism, bioenergetics, hormesis.





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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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