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Oxidative Stress and Aging

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Deadline for manuscript
submissions:
closed (31 July 2018)

Message from the Guest Editor

Numerous studies have shown that oxidative stress is a key factor in cellular degeneration. The accumulation of chronic oxidative stress leads to deleterious cellular processes associated with ageing and a wide variety of age-related degenerative diseases. Oxidative damage to our cells as a result of poor diet and lifestyle choices are likely to accelerate ageing and lead to the development of degenerative diseases.

We invite authors to submit original research and review articles that seek to improve our understanding of the role of oxidative stress, excitotoxicity, mitochondrial function, antioxidants, polyphenols and inflammation in the pathophysiology of age-related disorders.

Potential topics include, but are not limited to:

- Research in mitochondrial function and cellular respiration, reactive oxygen species, and nitric oxide on cell viability;
- Recent advances on the impact of oxidative stress in degenerative disorders;
- Role of inflammatory mediators in free radical generation;
- Recent developments in natural occurring phytochemicals as degenerative diseases therapies.



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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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