

Special Issue on **Molecular Basis of the Antioxidant and Anti-Inflammatory Benefits of Nutrients on Aging and Aged-Related Diseases**

CALL FOR PAPERS

One of the most intriguing and appealing links hypothesized in recent years is the association between lifestyle factors and the occurrence of diseases, especially those associated with aging. Strategies to prevent oxidative stress and inflammation involved in aging and aging-associated diseases (cardiovascular diseases, eye diseases (age related macular degeneration, cataract), Alzheimer's disease, osteoporosis, etc.) and lifestyle have become a priority for health science researchers. The most effective intervention to prevent and, in some cases, treat aging and aged-related diseases is the adoption of a healthy diet. However, the cellular and molecular mechanisms by which nutrients bring about their effects on oxidation and inflammation remain poorly understood.

In this special issue, we invite the researchers to contribute with narrative reviews as well as original research articles. Topics include human and animal studies focusing on the cellular and molecular mechanisms by which macronutrients and micronutrients exert their effects, and especially their ability to prevent oxidative stress and inflammation, known to play major part in the development of degenerative diseases. Articles should improve our understanding of how these molecules promote healthy aging, counter the development of aged-related diseases, and facilitate the treatment of chronic pathologies. Contributions focused on the following issues will be particularly welcome.

Potential topics include but are not limited to the following:

- ▶ Immunologic, metabolic, and redox aspects of nutrients
- ▶ Epidemiological, clinical, and *in vivo* studies on the efficacy of nutrients
- ▶ Relevant biological markers, especially of oxidative stress, to assess the *in vivo* activities of nutrients and the correlations with clinical efficacy

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/omcl/mbbn/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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Submission Deadline

Friday, 29 December 2017

Publication Date

May 2018