



Oxidative Medicine and Cellular Longevity

Special Issue on

Oxidative Stress, Aging, and Health

CALL FOR PAPERS

Oxidative stress is well known to be involved in the pathogenesis of lifestyle-related diseases, including atherosclerosis, hypertension, diabetes mellitus, ischemic diseases, and malignancies. Oxidative stress has been defined as harmful because oxygen-free radicals attack biological molecules such as lipids, proteins, and DNA. However, oxidative stress also has a useful role in physiologic adaptation and in the regulation of intracellular signal transduction. Therefore, a more useful definition of oxidative stress may be “a state where oxidative forces exceed the antioxidant systems due to loss of the balance between them.” The biomarkers that can be used to assess oxidative stress in vivo have been attracting interest because the accurate measurement of such stress is necessary for investigation of its role in lifestyle diseases and to evaluate the efficacy of treatment.

We invite authors to submit original research and review articles that contribute to understand the mechanism of oxidative stress and damage in aging and biomarkers that can be used to assess oxidative stress.

Potential topics include, but are not limited to:

- ▶ Oxidative stress and aging
- ▶ Is there a new biomarker shows oxidative stress and cellular immunity?
- ▶ Which biomarkers are related oxidative stress?

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/omcl/uti/>.

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