



Oxidative Medicine and Cellular Longevity

Special Issue on

Antioxidant Potential in Oxidative Stress-Induced Cancer

CALL FOR PAPERS

Oxidation of nuclear DNA (nDNA) and mitochondrial DNA (mtDNA) can cause nDNA and mtDNA mutations and these have been suggested to be involved in the etiology of several chronic diseases including cancer, age-related neurodegenerative disorders, and aging in general. Furthermore, oxidative stress can activate a variety of transcription factors including activator protein-1 (AP-1), nuclear factor- κ B (NF- κ B), and nuclear factor erythroid 2 (Nrf2). However, antioxidant nutrients such as vitamins C and E, polyphenols, flavonoids, melatonin, and selenium would interfere with oxidative damage induced nDNA and mtDNA mutations and transcription factors activation. Hence, knowledge and understanding the role of antioxidants in oxidative stress-induced cancer will truly lead to much more success in the clinical practice.

We invite investigators to contribute original research articles and review articles that will stimulate the continuing efforts to understand the complex relationships among oxidation, antioxidants, and cancer. We are particularly interested in articles describing the therapeutic advantages of antioxidants in oxidative stress-induced cancer.

Potential topics include, but are not limited to:

- ▶ Oxidative stress and cancer
- ▶ Antioxidants as cancer therapeutics
- ▶ Identification of molecular targets for antioxidants in treatment of oxidative stress-induced cancer
- ▶ The challenges in the development of antioxidant-based drugs for chemoprevention and chemotherapy
- ▶ Omics tools in stimulating/inhibiting antioxidant/oxidant in cancer

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

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