

Special Issue on Therapeutic Potential of Natural Antioxidants

CALL FOR PAPERS

Antioxidants derived from plants and other living organisms have the potential to inhibit the formation of free radicals, scavenge free radicals, interrupt free radical chain reaction, and prevent the lipid peroxidation process. Thus, natural antioxidants have the ability to decrease the deleterious effects of oxidative stress-induced pathological conditions. The use of natural antioxidants for the prevention and cure of human diseases has been practiced for thousands of years prior to the development of modern medicine with synthetic drugs and antioxidants. Most of these natural antioxidants have been scientifically proven as potential therapeutic agents in preclinical studies. Nowadays, an increase in healthy lifestyle has resulted in the routine consumption of natural ingredients over synthetic agents. Therefore, current research is focused on identifying as well as understanding the mechanistic role of natural antioxidants in a range of human pathologies such as diabetes, aging, neurological diseases, cardiovascular diseases, and cancer.

The aim of this special issue is to attract original research articles, clinical studies, and review articles describing the current findings on therapeutically promising natural antioxidants for future clinical use. We invite authors to submit articles that explore aspects of the therapeutic potential of natural antioxidants.

Potential topics include but are not limited to the following:

- ▶ Antioxidant potential of novel natural products
- ▶ Mechanism of action of natural antioxidants
- ▶ Novel methods to identify the pharmacological activity of natural antioxidants
- ▶ Natural antioxidants in the regulation of pro- and anti-inflammatory pathways
- ▶ Natural antioxidants as regulators of innate and adaptive immune responses
- ▶ Natural antioxidants as antimicrobial and anti-infectious agents
- ▶ Natural antioxidants as regulators of cellular metabolism
- ▶ Natural antioxidants as therapeutic agents in controlling human diseases

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

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

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Submission Deadline

Friday, 26 January 2018

Publication Date

June 2018