

Special Issue on **Lipid Peroxidation Products in Human Health and Disease 2019**

CALL FOR PAPERS

Oxidative stress and free radical reactions are important contributory factors to, or even direct progenitors of, tissue dysfunction and injury associated with aging and a number of pathological states such as carcinogenesis, diabetes, and atherosclerosis. Oxidative stress that causes lipid peroxidation in biological systems results in the formation of a wide variety of lipid hydroperoxides and aldehydes, which disseminate and augment the initial free radical injury. The unsaturated aldehydes produced by lipid peroxidation are potent electrophiles that alter vital cell signaling pathways and cause mitogenic, cytotoxic, and genotoxic reactions leading to various disease pathologies.

We invite authors to submit original research and review articles that explore aspects of lipid peroxidation products in human disease and health.

Potential topics include but are not limited to the following:

- ▶ Formation and determination of the lipid peroxidation products
- ▶ Pathological aspects of lipid peroxidation products
- ▶ Lipid peroxidation products in the regulation of cell signaling
- ▶ Elucidating the role of lipid peroxidation in the development of human diseases
- ▶ Identification of lipid peroxidation products as biomarkers of human diseases
- ▶ Mechanism of action
- ▶ Lipid peroxidation in immune response
- ▶ Novel methods to identify the lipid peroxidation derived products
- ▶ Antioxidants in the prevention of lipid peroxidation products-mediated toxicities

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/omcl/lpphhd19/>.

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

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