

Special Issue on
**Lipid Stability in Processed Food Products and its
Nutritional Perspectives**

CALL FOR PAPERS

Oxidative stability of lipids is the resistance to oxidation during processing and storage. Stability is an important indicator to determine lipids' quality and shelf-life because low-molecular-weight off-flavor compounds are produced during oxidation. The off-flavor compounds make lipids less acceptable or unacceptable to consumers or for industrial use as a food ingredient. Various methods may be used to inhibit oxidation, including prevention of oxygen access, use of lower temperature, inactivation of enzymes catalyzing oxidation, reduction of oxygen pressure, the use of suitable packaging and oxidation inhibitors such as "antioxidants." Traditionally, food manufacturers have increased the oxidative stability of their products by a variety of conventional methods including modification in PUFA concentration. Researches are in progress to authenticate novel approaches to overcome this problem. Lipids are also of great concern from health perspectives point of view from the processed foods.

The aim of this special issue is to encourage the submission of high quality research and review manuscripts covering the recent advances on investigation of lipid oxidation, stability, and its nutritional perspectives in processed food stuffs.

Potential topics include but are not limited to the following:

- ▶ Impact of novel food processing technologies on lipid stability in food products
- ▶ Examine the shelf-life and oxidative stability of fried food
- ▶ Current analytical techniques to measure the oxidative stability of fats and oils
- ▶ Estimation and characterization of lipids stability in food flavors
- ▶ Enhance the stability and inhibition of lipids by using antioxidants
- ▶ Analyze the effect of antioxidant levels and encapsulation on the stability of lipids in processed food products
- ▶ Lipid stability of dehydrated food stuff stored in different packaging types
- ▶ Fate of lipid-based bioactive components in gastrointestinal tract

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

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

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