

## Special Issue

# Antioxidant Mechanism of Bioactive Compounds and Health Benefits

### Message from the Guest Editor

Oxidative stress and inflammation both play a critical role in the initiation and progression of common chronic illnesses, such as heart disease, cancer, respiratory diseases, diabetes, arthritis, Alzheimer's disease, GI diseases, depression, and chronic pain—to name a few. Emerging evidence has suggested that dietary bioactive compounds or bioactive compounds-enriched foods have antioxidant and anti-inflammatory properties that could benefit these illnesses. The purpose of this Special Issue of *Nutrients*, entitled “Antioxidant Mechanism of Bioactive Compounds and Health Benefits”, is to update the current bioactive compounds' health benefits from original research (cell, animal, clinical, public health studies) to narrative/systematic reviews of the recent scientific literature in cells and animals or meta-analyses in humans. Therefore, it is with great pleasure that I invite scientists to take part in this Special Issue to submit manuscripts that integrate Nutrigenetic and Nutrigenomic approaches with polyphenols, in order to further examine their role in human health.

### Guest Editor

Prof. Dr. Chwan-Li (Leslie) Shen

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### Deadline for manuscript submissions

closed (28 November 2023)



## Nutrients

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## About the Journal

### Message from the Editorial Board

*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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