

# CALL FOR PAPERS

Plants and plant products have always been considered an important part of the diet, especially in the last decade, as scientific studies have proved the benefits of a diet rich in fruits and vegetables. Among the different beneficial components of plants, phenolic compounds have gained increased interest in the last few years, due to their high antioxidant activity and, therefore, health promoting effects.

In vitro and in vivo experiments have demonstrated the anti-inflammatory, antiallergic, or anticarcinogenic activities, among other beneficial effects, of phenolic compounds. Therefore, exhaustive research on the phenolic composition and (bio)chemical properties of plants extracts or plant-derived foods is still necessary.

The purpose of this special issue is to publish high-quality research papers as well as review articles addressing the phenolic profile/content of food products, including natural foods, food supplements, nutraceuticals, and related products, and to discuss the phenolic profile in terms of food quality (authentication, adulteration, health benefits, etc.). At this point, this special issue may contribute to offer new insights on the biological and chemical properties of phenolics.

Potential topics include but are not limited to the following:

- ▶ Analysis of food quality based on the quantification of phenolic compounds
- ▶ Phenolic profile as a mean to detect adulterated food
- ▶ Application of chemometrics in authentication of phenolic-containing products
- ▶ Phenolic composition of novel food supplements or nutraceuticals: potential health benefits
- ▶ Improvement of chromatographic methods to analyze the phenolic profile of foods
- ▶ Electrochemical sensors to screen food quality based on the phenolic content
- ▶ Simple and economic analytical methods to detect adulteration based on specific phenolics

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