Special Issue

Recent Developments in Bioactive Compounds Analysis for Food Quality Improvement

Message from the Guest Editor

Bioactive compounds, prevalent in food and dietary supplements, are non-essential biomolecules shaping health with both positive and negative effects. Food producers value compounds like flavonoids, phenolic compounds, carotenoids, plant sterols, glucosinolates, and sulfur-containing compounds for their ability to enhance product value. Extracting these biomolecules presents challenges, with considerations including raw material type, environmental factors, and intended applications. Once extracted, selecting an appropriate quantification method is crucial. Liquid chromatography. employing detectors like UV, fluorescence, refractive index detectors, or mass spectrometry, is a widely used method. Additionally, methods measuring the activity of bioactive compounds under in vivo or in vitro conditions are indispensable. Keyword: bioactive food compounds; activity; extraction methods; analytical methods

Guest Editor

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