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Extraction, Characterization and Bioactive Properties of Plants Foods

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Plant foods have received increasing attention due to their potential biological properties. The bioactive compounds that are present in plant foods are believed to play a major role in the aforementioned biological properties, including antioxidant, anti-inflammatory, cardioprotective, and anticancer properties. These compounds vary widely when it comes to their chemical structure and function; hence, there are several categories, such as flavonoids, flavonols, phytoestrogens, lignans, isoflavones, monoterpenes, plant sterols, etc. The methodology that is used to extract these bioactive compounds from plant foods varies widely. Several environmentally friendly methods are used nowadays, without the use of organic solvents, and are quickly replacing the older methods. These methods include but are not limited to ultrasound-assisted extraction, microwave-assisted extraction, cloud point extraction, hydro distillation, and steam distillation. The aim of this Special Issue is to indicate emerging technologies of extraction, analysis, and characterization of plant phytochemicals by pointing out the critical parts of the whole process.



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Special Issue



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Message from the Editor-in-Chief

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