Special Issue

HPLC or Other Chromatographic-Based Methods for Analysis of Bioactive Compounds in Plant, Food, and Pharmaceutical Products

Message from the Guest Editor

Bioactive compounds are substances that enhance or inhibit the functions of living organisms, playing a role in correcting abnormal conditions due to deficiencies in or the excessive secretion of substances regulating functions in the living body. Therefore, the creation of physiologically active substances is very important for helping modern people to lead a better and healthier life, and extensive research has been conducted on this subject recently. New biologically active substances can be obtained from natural products such as animals and plants, extracted and purified from metabolites of microorganisms and animal and plant cell lines, or obtained through chemical synthesis. There are various pretreatment methods available to separate and purify these bioactive substances, and HPLC is a representative analytical method. In this Issue, we would like to introduce various pretreatment methods for extraction and purification of bioactive substances from plant, food or pharmaceuticals and analysis methods using HPLC and other chromatography.

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