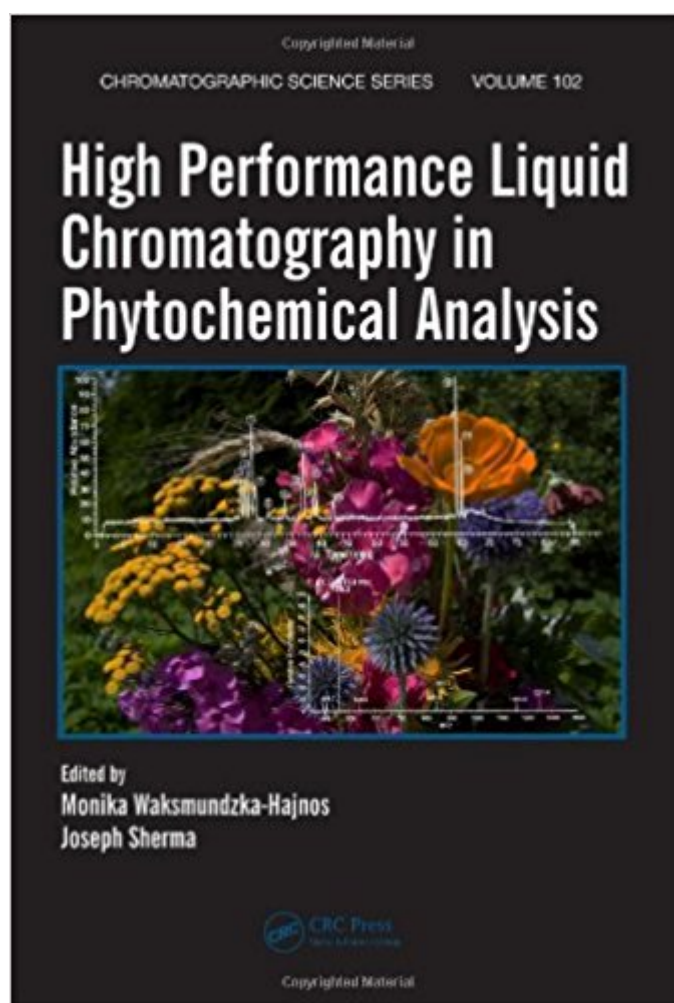


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High Performance Liquid Chromatography In Phytochemical Analysis (Chromatographic Science Series)



Synopsis

The powerful, efficient technique of high performance liquid chromatography (HPLC) is essential to the standardization of plant-based drugs, identification of plant material, and creation of new herbal medicines. Filling the void in this critical area, High Performance Liquid Chromatography in Phytochemical Analysis is the first book to give a complete description of the techniques, materials, and instrumentation of column HPLC and its application to essentially all primary and secondary plant metabolites. Hailing from around the world and with vast expertise in HPLC phytochemical analysis, the contributors present a global, authoritative view of the field. The book looks at the role of HPLC in the analysis of herbal drugs, quality control of plant products in dietary supplements, and chemosystematics. It also covers the phytochemistry, pharmacology, and biological role of plant metabolites as well as various modes and techniques of HPLC analysis. The book then focuses on HPLC separation, identification, and quantification of particular classes of compounds in a variety of sample types, including plants, plant extracts, and plant-derived products. Along with its companion volume Thin Layer Chromatography in Phytochemistry, this comprehensive book presents the most important analytical approaches used in phytochemical analysis. It will help in solving problems connected with practical separations and the analyses of plant extract fractions of active metabolites.

Book Information

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