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Nota di contenuto	Phytochemical Profiles and Biological Studies of Selected Botanical Dietary Supplements Used in the United States -- Quality Consistency of Herbal Products: Chemical Evaluation -- Deoxyribonucleic Acid Barcoding for the Identification of Botanicals -- Botanical Pharmacognosy in Quality Control: A Focus on Raw Material Assessment.
Sommario/riassunto	This volume highlights some recent developments on plants used widely as botanical dietary supplements and herbal medicines,

especially in terms of knowledge of the chemical types and diverse biological activities of their constituents, as well as laboratory approaches for their quality control and taxonomic identification. In the first chapter, the biologically active secondary metabolites are described of selected botanicals that have a wide current use in the United States, with recent information provided also on their *in vitro* and *in vivo* biological activities. The second chapter constitutes an updated survey of the different chromatographic, spectroscopic, and metabolomics techniques that can be utilized for the quality control of botanical products. The penultimate chapter covers different nomenclatural systems that are of use for the taxonomic identification of source plants used in botanical products. Finally, deoxyribonucleic acid molecular barcoding techniques for the identification for plants used as dietary supplements are covered.
