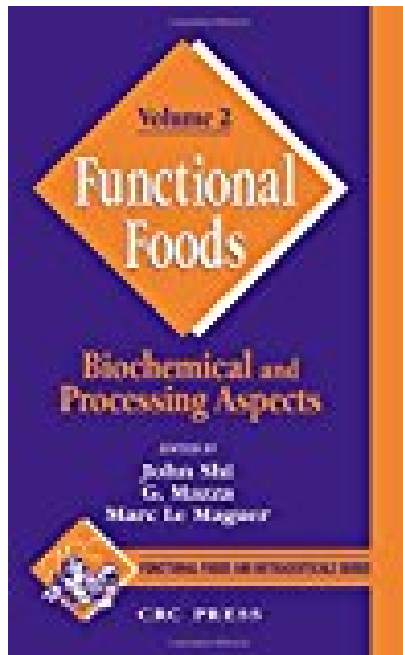


Functional Foods Biochemical and Processing Aspects Volume 2

Functional Foods and Nutraceuticals



BOOK DETAILS

- Author :
- Pages : 432 Pages
- Publisher : CRC Press
- Language : English
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BOOK SYNOPSIS

Building upon the success of the bestselling first volume, *Functional Foods: Biochemical and Processing Aspects*, Volume II explores new sources of nutraceutical and functional food ingredients and addresses crucial issues for product development and processing. It presents the latest developments in the chemistry, biochemistry, pharmacology, epidemiology, engineering, and processing of functional foods. The book provides recent information on important functional food components, including up-to-date evaluations of bioactive compounds. Presenting information on the distribution of functional food components in different sources and their engineering properties, this book provides the essential information for the food industry to develop successful new products. Each chapter presents an in-depth review of a major functional food component, providing:

- Chemical, physical properties and molecular structure - derivatives and possible isomers, distribution in biological material
- Nutritional, physiological, and clinical functionality - including safety, bioactivity, bioavailability, efficacy in human diet and health, pharmacological properties
- Separation technology - in the laboratory and commercial production
- Processing - chemical, physical, and engineering properties during processing, process system, processing equipment, quality control in production
- Shelf-life - including storage conditions and stability
- Identification techniques - including HPLC, GC, MS, and NMR
- Standards and regulations - FDA, EC, FAO/WHO, Health Canada
- Utilization - applications, current and potential markets

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