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lipids; 2.3.2 Functional lipids; 2.3.3 Health benefits; 2.4 Phenols; 2.4.1 Content of polyphenols in food
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2.4.3 Processing techniques of polyphenols; 2.5 Flavonoids; 2.5.1 Health benefits; 2.5.2 Flavonoid-containing dietary foods; 2.5.3 Processing techniques of flavonoids; 2.6 Anthocyanins; 2.6.1 Chemical structure; 2.6.2 Health benefits; 2.6.3 Processing techniques of anthocyanin; 2.7 Glucosinolates; 2.7.1 Chemistry of glucosinolates; 2.7.2 Health benefits; 2.7.3 Processing techniques of glucosinolates; References; II Major Sources of Functional Foods; 3 Processing Effects on Functional Components in Cereals and Grains; 3.1 Introduction
3.2 Functional components in cereals and grains
3.2.1 Functional components in rice and their health benefits; 3.2.2 Functional components in corn and their health benefits; 3.2.3 Functional components in soybean and their health benefits; 3.2.4 Functional components in legumes and their health benefits; 3.3 Processing of cereals and grains and its effect on the functional components; 3.3.1 Rice; 3.3.2 Corn; 3.3.3 Soybeans; 3.3.4 Legumes; 3.4 Conclusion; References; 4 Tropical Fruits; 4.1 Introduction; 4.2 Mango; 4.2.1 Polyphenolic constituents of mango; 4.2.2 Functional properties of mango
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5.12 Omega-3 PUFA

Sommario/riassunto

This book highlights the effects of food processing on the active ingredients of a wide range of functional food materials, with a particular focus on foods of Asian origin. Asian foods, particularly herbs, are becoming increasingly accepted and demanded globally, with many Western consumers starting to recognize and seek out their health-giving properties. This book focuses on the extraction of ingredients which from materials which in the West are seen as "alternative" - such as flour from soybeans instead of wheat, or bran and starch from rice - but which have long histories in
