



# **Functional Food Ingredients and Nutraceuticals: Processing Technologies, Second Edition (Functional Foods and Nutraceuticals)**

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# Functional Food Ingredients and Nutraceuticals: Processing Technologies, Second Edition (Functional Foods and Nutraceuticals)

## Functional Food Ingredients and Nutraceuticals: Processing Technologies, Second Edition (Functional Foods and Nutraceuticals)

The second edition of a bestseller, **Functional Food Ingredients and Nutraceuticals: Processing Technologies** covers new and innovative technologies for the processing of functional foods and nutraceuticals that show potential for academic use and broad industrial applications. The book includes a number of "green" separation and stabilization technologies that have also been developed to address consumers' concerns on quality and safety issues. It also details the substantial technological advances made in nano-microencapsulation that protect the bioactivity and enhance the solubility and bioavailability, and the preservation of health-promoting bioactive components in functional food products.

Containing nine entirely new chapters, the second edition has been enhanced with coverage of recent developments in the different areas of processing technologies. The incorporation of these new emerging technologies strengthens the second edition without compromising the contextual integrity of the original publication.

See What's New in the Second Edition:

- Theoretical approaches in mass transfer modeling, solubility properties, and simulation in extraction process
- Innovative nanotechnologies in packaging process and nano-microencapsulation process and technology to protect bioactivity and enhance solubility and bioavailability of health-promoting bioactive components
- "Green" separation technologies updated with more information in industrial applications

Thousands of research papers have been published on the health benefits of bioactive components from natural resources; many books on functional foods are related to chemical properties or medical functions. With only a few books capturing the related processing technologies, the first edition became a valuable tool to help transform results from the lab into industrial applications. Filled with current and sound scientific

knowledge of engineering techniques and information on the quality of functional foods, the second edition of this groundbreaking resource is poised to do the same.

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