



Editor:
Constantin Apetrei
Romania

eISBN: 978-1-68108-341-4

E-book Price
US\$ 129.00

Print-on-Demand
US\$ 155.00

Institutional E-Book Price
US\$ 516.00

Frontiers in Bioactive Compounds: Natural Sources, Physicochemical Characterization and Applications

www.ebooks.benthamscience.com/book/9781681083414

About the eBook

This volume presents different aspects related to bioactive compounds, starting with their natural state in raw sources, physicochemical characterization and employment in pharmacy and medicine. The volume is divided into three parts. The first part describes the chemical structure of bioactive compounds from different natural sources such as olive oils, wines, and medicinal plants. Special attention has been given to identifying the bioactive composition within variations of these natural sources (for example, extra virgin, ordinary or lampante olive oils). The second part of the volume presents the principal methods used for detecting, identifying and quantifying bioactive compounds. Emphasis is given to the use of different types of sensors or biosensors, and multisensor systems in combination with analytical techniques. The final part explains the principal methods for protection of bioactive compounds and the implication of bioactive compounds in pharmacy. This volume is a useful guide for novice researchers interested in learning research methods to study bioactive compounds.

Contents

- ▶ Extra Virgin Olive Oils: Bioactive Compounds and Health Benefits
- ▶ Wine: Biologic Active Compounds and Health Benefits
- ▶ Recent Advances in the Analysis of Bioactive Compounds Based on Molecular Recognition
- ▶ Electrochemical Sensors for the Detection of Antioxidants
- ▶ Biosensors for Characterisation of Bioactive Compounds from Wines
- ▶ Electronic Sensory Systems for Characterization of Bioactive Compounds
- ▶ Bioactive Biomolecules Interacting with Cellular Membranes: Modelling with Langmuir Monolayers
- ▶ Protection of Bioactive Compounds

For Advertising Inquiries: Contact: marketing@benthamscience.org