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Nota di contenuto	-- Chapter 1: Novel bioactive from food waste in health management -- Chapter 2: Phytochemical Profile and Chemo-Preventive Properties of Potential Bioactive Ingredients -- Chapter 3: Potential Antioxidant and Antiviral Activities of Various Hydroethanolic Extracts -- Chapter 4: Bioflavonoid: Extraction method, Stability, and biological activities -- Chapter 5: Marine based bioactive in healthcare & wellness Industry -- Chapter 6: Modern bioactive delivery system for higher bioavailability -- Chapter 7: Insights into Natural Product based Drug Discovery using a Systems Biology Approach -- Chapter 8: Novel Bioactive from Dairy Waste in Health Management -- Chapter 9: Medicinal Plants: Role in Synthetic Medications -- Chapter 10: A Review on Analytical Techniques in Understanding the Bioactivity of Essential Oils -- Chapter 11:The Sensual Spice: Exploring Saffron as an

Aphrodisiac -- Chapter 12:Petals of Potency: Navigating the Bioactive Landscape of Coffee Flowers -- Chapter 13:Role of Novel Bioactive Phytoconstituents and Nutraceuticals from Citrus Food Wastes in Health Care Management -- Chapter 14:Bioflavonoids: A Detailed Take On Their Extraction Methods, Stability And Applications -- Chapter 15: Health Benefits from Medicinal Plants -- Chapter 16:Systems Biology Study on Bioactive Compounds.

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#### Sommario/riassunto

Bioactive compounds obtained from natural sources has proven to possess various therapeutic potentials. Although they have proven its therapeutic efficacy for ages but a major limitation is difficulty in the extraction of single compound from its mixture. The volume 1 of the book is an important step to help the readers understand about the principles and practices associated with the extraction, stabilization and therapeutic applications of various bioactive compounds obtained from natural sources. The book provides information on various innovative techniques those are involved in the extraction processes i.e. from the conventional strategy of extraction to advanced technologies. Stability of bioactive compounds are also an important factor. Thus this book also focuses on this issue by highlighting various strategies comprising of freeze-drying, encapsulation and nanotechnology. This volume will focus on antimicrobial, antioxidant, anti-inflammatory and various other therapeutic properties of the compounds and their applications as cosmetics, nutraceuticals and pharmaceuticals. Thus this book would have a comprehensive know-how of bioactives from extraction to application.

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