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Descrizione fisica	1 online resource (xxi, 319 pages) : illustrations, maps
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Nota di contenuto	Cover -- Half Title -- Title Page -- Copyright Page -- About the Editors -- Contents -- Contributors -- Abbreviations -- Preface -- PART I: Preamble of Nutraceuticals and Formulations -- 1. Functional Foods -- 2. Nutraceutical Bioactives -- 3. Introduction to Nutraceuticals and Dietary Supplements -- 4. Herbs in Health Management -- 5. Starch-Based Nanocarriers of Nutraceuticals: Synthesis and Applications -- PART II: Role of Nutraceuticals in Cancer Treatment -- 6. Study of Nutraceuticals in Cancer Treatment: An In Silico Approach -- 7. Nutraceuticals in Cancer Therapy -- PART III: Nutraceuticals and Mental Illness -- 8. Exploration of Nanonutraceuticals in Neurodegenerative Diseases -- 9. Preclinical Perspectives of Mechanisms Underlying the Neuroprotective Effects of Selected Phyto-Constituents in Alzheimer's Disease -- PART IV: Specialized Applications of Nutraceuticals -- 10. Science Behind Maca: A Traditional Crop from the Central Andes -- 11. Nutraceutical Intervention for Treatment of Alcoholism and Drinking Problems -- 12. Beta Cells and Diabetes -- Index.
Sommario/riassunto	"Addressing the increasing popularity of nutraceuticals, dietary supplements, and functional foods, this comprehensive and timely book presents an abundance of information on herbal products and

their applications. The chapter authors--highly skilled, experienced, and renowned scientists and researchers from around the globe--offer up-to-date knowledge on the uses of herbal products in health management, in cancer treatment, in mental health therapy, and more. *Nutraceuticals and Dietary Supplements: Applications in Health Improvement and Disease Management* begins with an introduction, the nomenclature, and characteristics of nutraceuticals and goes on to discuss in-depth applications for specific health issues, including cancer, diabetes, Alzheimer's disease, alcoholism, and more. It also looks at the pros and cons as well as the analytical techniques used for the production of nutraceuticals. Chapters cover market size, regulatory perspectives, manufacturing, and in silico drug design. The book incorporates a wide diversity of case studies, research, and theories pertaining to natural products employed by developers and content experts in the field. This essential reference builds on the available literature in the field of pharmacy and biological sciences and will be a welcome resource for scientists, researchers, and pharmaceutical industry professionals."--
