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Nota di contenuto	Front Cover; Nutraceuticals; Copyright Page; Dedication; Contents; List of Contributors; Introduction; Introduction; References; I. Applications of Nutraceuticals in Common Diseases and Disorders; 1 Nutraceuticals in CNS Diseases: Potential Mechanisms of Neuroprotection; Introduction; Polyphenols; Counteracting Oxidative Stress as a Mechanism of Neuroprotection; Direct Antioxidant Action of Quercetin; Potential Role of Hormesis in Neuroprotection; Modulation of the Nrf2-ARE Pathway as a Mechanism of Quercetin Neuroprotection Modulation of Paraoxonase 2 (PON2) as a Potential Novel Mechanism of Quercetin NeuroprotectionParaoxonase 2; Paraoxonase 2 in the Central Nervous System; Gender Differences in Paraoxonase 2 Expression; Modulation of Paraoxonase 2; Modulation of Paraoxonase 2 by Quercetin; The Issue of Metabolites; Concluding Remarks and Future Directions; Acknowledgments; References; 2 Prevention of Neurodegenerative Disorders by Nutraceuticals; Introduction; Nutraceuticals for the Prevention and Amelioration of AD; Nutraceuticals for the Prevention and Amelioration of PD Nutraceuticals for the Prevention and Amelioration of ASDConcluding Remarks and Future Directions; References; 3 Cognitive Effects of Nutraceuticals; Introduction; Biological Basis of Cognition; Overview of

Cognition; Cellular Basis of Information Storage; Synaptic Plasticity as a Physical Basis for Memory; Biological Basis of Dementia; Nutraceuticals with Potential Cognitive Enhancing Functions; Ginkgo biloba; Positive Effects; Potential Mechanisms; Negative or Null Effects; Bacopa monnieri; Positive Effects; Potential Mechanisms; Negative or Null Effects; Ginseng; Positive Effects
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Biomarkers of Heart Disease Therapeutic Response to Heart Disease; Phytotherapeutic Strategies; Nutraceuticals; Cruciferous Vegetables; Bulbous Plants; Tea; CoQ10; Turmeric; Grape Skin; Fish Oil/Olive Oil; Vegetables; Carnitine; Soy; Concluding Remarks and Future Directions; References; 5 Antiatherosclerotic Efficacy of Nutraceuticals; Introduction; Pathogenesis of Atherosclerosis and Possible Points of Therapeutic Intervention; Role of LDL; Atherosclerotic Plaque Formation; Existing and Emerging Antiatherosclerotic Therapies; Nutraceuticals with Antiatherosclerotic Activity
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