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Nota di contenuto	Intro -- ARGININE AMINO ACID -- ARGININE AMINO ACID -- Contents -- Preface -- Chapter 1 Analytical Methods of the Determination of Arginine Amino Acid -- Abstract -- Introduction -- Sources -- Dietary Sources -- Biosynthesis -- Functions and Importance of Arginine -- Methods of Analysis -- Liquid Chromatography -- Ion Exchange Separation -- Reverse-Phase Liquid Chromatography -- Gas Chromatography -- Capillary Electrophoresis -- Nuclear Magnetic Resonance Spectroscopy -- Methodological Considerations Regarding the Quantification of L-Arginine in Biological Matrices -- Derivatization Reagents for LC Analysis -- Ninhydrin -- Dansyl Chloride -- Dabsyl Chloride -- 1-Fluoro-2, 4-Dinitrobenzene -- Phenylisothiocyanate -- Ortho-Phtaldehyde -- 9H-Fluoren-9-Ylmethyl Chloroformate -- Diethyl 2(Ethoxymethylidene)Propanedioate -- 6-Aminoquinolyl-N-Hydroxysuccinimidyl Carbamate -- Conclusion -- References -- Chapter 2 Alternative Metabolic Pathways of Arginine and their Pathophysiological Roles -- Abstract -- Abbreviations -- Introduction - Arginine, a Functional Amino Acid with Several Metabolic Roles -- Nitric Oxide Synthase -- Arginase -- Alternative Pathways of Arginine Metabolism -- Inhibition of NOS and Arginase Isoforms -- NOS Inhibitors -- Arginase Inhibitors -- NOS Isoforms in Diseases -- The Involvement of NOS Isoforms in the Obesity and Metabolic Syndrome -- Nitric Oxide and Preeclampsia -- Arginase in Diseases -- Arginase in

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