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| Nota di contenuto | Chapter 1. Cellular Aging: An Introduction, Principle, Hallmarks, And Aging-Associated Diseases -- Chapter 2. Anti-Oxidant And Anti-Aging Mechanism Of Bioactive Compounds In Modulating The Aging Related Epigenetic Factors -- Chapter 3. Diet-Gene Interactions That Regulate Longevity -- Chapter 4. Antioxidants And Aging -- Chapter 5. Nutrition And Aging Brain -- Chapter 6. Omega 3 And Aging Brain -- Chapter 7. Traditional Foods And Aging -- Chapter 8. Macro Nutrients And Their Roles In Ageing -- Chapter 9. Micronutrient Status Among Adults In The Asia Pacific And Potential Impact On Age-Related Diseases -- Chapter 10. Gut Microbiota And Their Metabolites In Aging -- Chapter 11. Importance Of Functional Foods Against Aging Of Adult Stem Cells -- Chapter 12. Human Skin And Hair Follicle Regeneration, Degeneration, Aging, And Functional Foods -- Chapter 13. Delineating The Role Of Phytochemicals In Targeting Age-Related Cardiovascular Diseases Through The Lens Of Network Medicine -- Chapter 14. Plant -Derived Natural Products Targeting Multiple Pathways As Potential Therapeutics In The Treatment Of Parkinson'S Disease -- Chapter 15. Aging In Indian Women: Health Status -- Chapter 16. Energy Restriction On Cellular And Molecular Mechanisms In Ageing -- Chapter 17. Age- |

Sommario/riassunto

This book illustrates the recent advancements in the role of functional foods in preventing age-related disorders. It correlates age-related diseases and the effect of dietary compounds from different functional foods, herbs, and nutraceuticals. Notably, the book describes unique nutrition problems in many chronic diseases such as bone disease, cardiovascular disorders, brain disorders, immune disorders, and cancers. The book also discusses the use of functional foods for controlling osteoporosis, improving bone strength, maintaining dental health, controlling obesity, gut health, and maintaining immune function using functional ingredients such as probiotics and prebiotics. Further, it presents the state of the art of aging and nutrigenomics research and the molecular mechanisms underlying the beneficial effects of bioactive nutrients on major aging-related disorders. Finally, the book embodies the latest findings and the mechanisms of actions of functional foods in aging and degenerative diseases and their beneficial uses in the aged population.
