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Autore	Korolchuk Viktor I
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Altri autori (Persone)	HarrisJ. Robin
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Nota di contenuto	Chapter 1: Telomerase-mediated anti-ageing interventions -- Chapter 2: Proteasome activators and ageing: restoring proteostasis using small molecules -- Chapter 3: Chaperone activators -- Chapter 4: NAD+ Boosting Strategies -- Chapter 5: Unlocking the Potential of Senolytic Compounds: Advancements, Opportunities, and Challenges in Ageing-Related Research -- Chapter 6: Stem Cell Therapies and Ageing: Unlocking the Potential of Regenerative Medicine -- Chapter 7: Diet-Modifiable Redox Alterations in Ageing and Cancer -- Chapter 8: The role of calorie restriction in modifying the ageing process through the regulation of SIRT1 expression -- Chapter 9: Resveratrol and Its Analogues: Anti-ageing Effects and Underlying Mechanisms -- Chapter 10: Hormetic effects of phytochemicals with anti-ageing properties -- Chapter 11: Melatonin As A Chronobiotic And Cytoprotector In Non-Communicable Diseases: More Than An Antioxidant -- Chapter 12: Role of vitamin B in healthy ageing and disease -- Chapter 13: Mineral

**Sommario/riassunto**

This book provides an up-to-date overview of key areas of ageing research with a special focus on anti-ageing intervention strategies, which are currently very much at the forefront of ageing studies. The volume discusses how dietary restriction, supplements or exercise affect the ageing process. Other intervention strategies reviewed are: chaperone activators, telomerase activation, hormetics, senolytics, NAD boosting, geroprotectors, stem cell therapies, resveratrol and melatonin, to just name a few. This book follows on from Parts I-IV of Biochemistry and Cell Biology of Ageing within the Subcellular Biochemistry book series and highlights anti-ageing intervention strategies that were not included in the earlier volumes. Comprehensive and cutting-edge, this book is a valuable resource for experienced researchers and early career scientists alike, who are interested in learning more about the fascinating and challenging question of why and how our cells age.