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Descrizione fisica	1 online resource (148 pages)
Disciplina	612.67
Soggetti	Aging Medicine—Research Biology—Research Public health Biotechnology Psychiatry Ageing Biomedical Research Public Health Chemical Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Senescence opposed to longevity -- Genetics, the language of Proteomics -- Plants Uncover Senescence Animals Way Off Humans -- Rejuvenation stops Senescence -- Overlap of Senescence with Disease -- Mosaic Restricted to the Individuum -- Remaining Time until Death -- Laboratory Checkups -- eroprotectors.
Sommario/riassunto	This book is about lifelong ageing of humans. The basic biochemical and genetic mechanisms remain ill known, and differ among individuals. The book starts out to explore the plant and animal kingdoms to answer questions human ageing needs for understanding. First, we come to scrutinize time running out and what 'normal' means with impacts on the genome and on protein half- lives and function. Ageing goes beyond biochemical skid treated by geroprotector drugs, including biosimilars; albeit early diagnosis with standard medical

laboratory assays, here addressed, sheds light with focus on basic research. Modern tools, including machine learning, and DNA technology, e.g. genomics, have already provided for unanticipated insights. The chapters then turn around senescence of the entire organism based on variable ageing of single organs embedded in neuronal networks . Psychological stress factors, dementia opposed to vigilance, and distinction of ageing from overt disease are contrasting in humans and are opposed in the book. Senescence, seen as a one way track may be reverted into rejuvenation, made possible by insights into immunosenescence and genomic approaches. Risk management in health insurance finds important clues in this book. The topics addressed between the book covers help to understand the trend to the ever- prolonging life expectancy beyond the centenarian age group; nursing care takers and pharmaceutical industry are invited to understand what' is going on in senior people to make their geriatric population remain fit or become frail.
