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Titolo	Hormesis in health and disease // edited by Suresh I.S. Rattan and Eric Le Bourg
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Descrizione fisica	1 online resource (378 p.)
Collana	Oxidative Stress and Disease ; ; 34
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Preface; Editors; Contributors; Chapter 1: Brief History of Hormesis and Its Terminology; Chapter 2: Pre- and Postconditioning Hormesis; Chapter 3: Exercise and Hormesis : Shaping the Dose-Response Curve; Chapter 4: Nutritional Components : How They Enhance the Ability to Adapt; Chapter 5: Periodic Fasting and Hormesis; Chapter 6: Iron, Metabolic Syndrome, and Hormesis; Chapter 7: Radiation Exposure; Chapter 8: Thermal Hydrotherapy as Adaptive Stress Response : Hormetic Significance, Mechanisms, and Therapeutic Implications Chapter 9: Cardiac Ischemic Preconditioning and the Ischemia/Reperfusion InjuryChapter 10: Cerebral Ischemia; Chapter 11: Optimal Stress, Psychological Resilience, and the Sandpile Model; Chapter 12: Molecular Stress Response Pathways as the Basis of Hormesis; Chapter 13: Inflammatory Pathways; Chapter 14: Oxidative Stress Response Pathways : Role of Redox Signaling in Hormesis; Chapter 15: Relating Hormesis to Ethics and Policy : Conceptual Issues and Scientific Uncertainty; Chapter 16: Hormesis and Risk Assessment; Back Cover
Sommario/riassunto	Some mild stresses have positive effects on survival and aging as shown in animal models. There is also a large body of research that demonstrates these hormetic effects on aging, health, and resistance to

severe stresses and diseases in human beings. However, the data are dispersed in the literature and are not always interpreted as hormetic effects. Hormesis in Health and Disease reviews the evidence for hormesis in humans as achieved through a variety of stresses or stimuli, and discusses mechanisms of hormesis and its ethical and legal issues. Divided into four sections, t
