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Nota di contenuto	Intro -- Preface -- Contents -- About the Editor -- Contributors -- Part I: Therapeutic Implications of Natural Compounds -- 1 Elimination of Senescent Cells by Polyphenols and Flavonoids -- Introduction -- Cellular Senescence -- Markers of Cellular Senescence -- Senescence-Associated Mitochondrial Dysfunction (SAMD) -- Senescence-Associated Secretory Phenotype (SASP) -- Bystander Effect -- Therapy-Induced Senescence (TIS) -- TIS Induced by Polyphenols -- Escape From TIS -- Senescent Cells: A Survival Niche Generating a Complex Tumor Environment -- Importance of TIS by the Example of Radiotherapy-Induced Senescence -- Role of TIS in Other Cancer Treatments -- Polyphenols Inhibiting SASP (Senostatics) -- Apigenin -- Epigallocatechin-3-Gallate (EGCG) -- Resveratrol -- Quercetin -- Polyphenols as Senolytics (Polyphenols Killing Senescent Cells) -- Fisetin -- Quercetin -- Epigallocatechin-3-Gallate (EGCG) -- Curcumin -- Herbal Extracts with Senolytic and Senomorphic Properties -- Extract of the Plant <i>Solidago virgaurea</i> Subsp. <i>alpestris</i> -- Alcoholic Extract of <i>Ajuga taiwanensis</i> -- <i>Pinellia ternata</i> Tuber -- Olive Plant -- Conclusion -- References -- 2 Natural Dietary Alkaloids and Its Synthetic Derivatives as Oxidative Stress-Inducing Agents for Cancer

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