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Descrizione fisica	1 online resource (716 p.)
Disciplina	616.044 616/.044
Soggetti	Chronic diseases - Pathophysiology Oxidative stress - Pathophysiology Free radicals (Chemistry) - Physiological effect Stress (Physiology)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Science Publishers book."
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Foreword; Preface; Contents; Section 1: Introduction; Introduction; Section 2: Oxidative Stress and Genetic Polymorphism; Chapter 2.1: The Role of Genetic Polymorphisms in Oxidative Stress; Section 3: Oxidative Stress in Transmissible Chronic Diseases; Chapter 3.1: Oxidative Stress and Human Immunodeficiency Virus Type 1 (HIV-1) Infection; Chapter 3.2: Role of Oxidative Stress in Hepatitis B and C Virus; Chapter 3.3: Tuberculosis; Section 4: Oxidative Stress in Metabolic Diseases; Chapter 4.1: Oxidative Stress in Overweight and Obesity Chapter 4.2: Dyslipidemia and AtherosclerosisChapter 4.3: Diabetes Mellitus; Chapter 4.4: Role of Oxidative Stress in Hypertension; Chapter 4.5: Oxidative Stress in Metabolic Syndrome; Chapter 4.6: Oxidative Stress in Alcoholic and Nonalcoholic Liver Disease; Chapter 4.7: Congestive Heart Failure; Chapter 4.8: Oxidative Stress in Chronic Obstructive Pulmonary Disease; Chapter 4.9: Oxidative Stress in

Childhood Severe Acute Malnutrition; Chapter 4.10: Oxidative Stress in Skeletal Muscle Function and Dysfunction; Chapter 4.11: Lead Exposure and Oxidative Stress

Chapter 4.12: Common Features of Oxidative Stress and Metabolic Impairments in Human Erythrocytes and Nucleated Cells

Section 5: Oxidative Stress in Autoimmune and Neurodegenerative Diseases;

Chapter 5.1: Oxidative Stress in Rheumatoid Arthritis: New Insights;

Chapter 5.2: Inflammatory Bowel Disease; Chapter 5.3: Role of

Mitochondria and Oxidative Stress in Parkinson's Disease; Chapter 5.4:

Immunopathological Mechanisms and Oxidative Stress Damage in

Multiple Sclerosis; Chapter 5.5: Oxidative Stress in Stroke; Section 6:

Oxidative Stress in Cancer and Cachexia

Chapter 6.1: Oxidative Stress in Breast Cancer

Chapter 6.2: Melanoma and Oxidative Stress; Chapter 6.3: Oxidative Stress in Head and Neck

Cancer; Chapter 6.4: Cancer Cachexia and its Relationship with Free

Radicals; Color Plate Section

Sommario/riassunto

This book presents recent findings on the role of oxidative stress in chronic diseases. Understanding the mechanisms behind it enables readers to comprehend the rationale which underlies intervention in such conditions. The book places special emphasis on genetic polymorphism-an important issue related to this field of study. It covers the role of oxidative stress in transmissible disorders as well as non-transmissible chronic conditions with chapters on metabolic diseases, autoimmune and neurodegenerative diseases, and cancer and cachexia. Each chapter covers a different disorder and the e
