

CONTENTS

Preface		vii
Chapter 1	Epigenetic Modifications and Developmental Origin of Health and Diseases (DOHaD) <i>Jia Zheng and Xinhua Xiao</i>	1
Chapter 2	Effects of Oxidative Stress on Epigenetic Mechanisms <i>Yıldız Dincer and Onur Baykara</i>	15
Chapter 3	Epigenetic Modifications and Their Potential Role in Tumorigenesis <i>Muthu K. Shanmugam, Frank Arfuso and Gautam Sethi</i>	31
Chapter 4	Alzheimer's Disease: An Insight from Epigenetic Perspective <i>Yıldız Dincer and Zeynep Sezgin</i>	83
Chapter 5	Epigenetic Mechanisms in Cardiovascular Diseases <i>Mehmet Güven and Bahadır Batar</i>	115
Chapter 6	Insights from Epigenomics Analysis of Sperm: Sperm Development and Male Infertility <i>Dheepa Balasubramanian, Eisa Tahmasbpour and Ashok Agarwal</i>	153
Chapter 7	Epigenetics, Inflammation and Inflammation-Associated Diseases: A General Look <i>Müge Sayitoğlu and Yücel Erbilgin</i>	175
Chapter 8	A New Molecular Approach to Obesity: Epigenetic Perspective <i>Burcu Bayoglu and Mujgan Cengiz</i>	211
Index		239