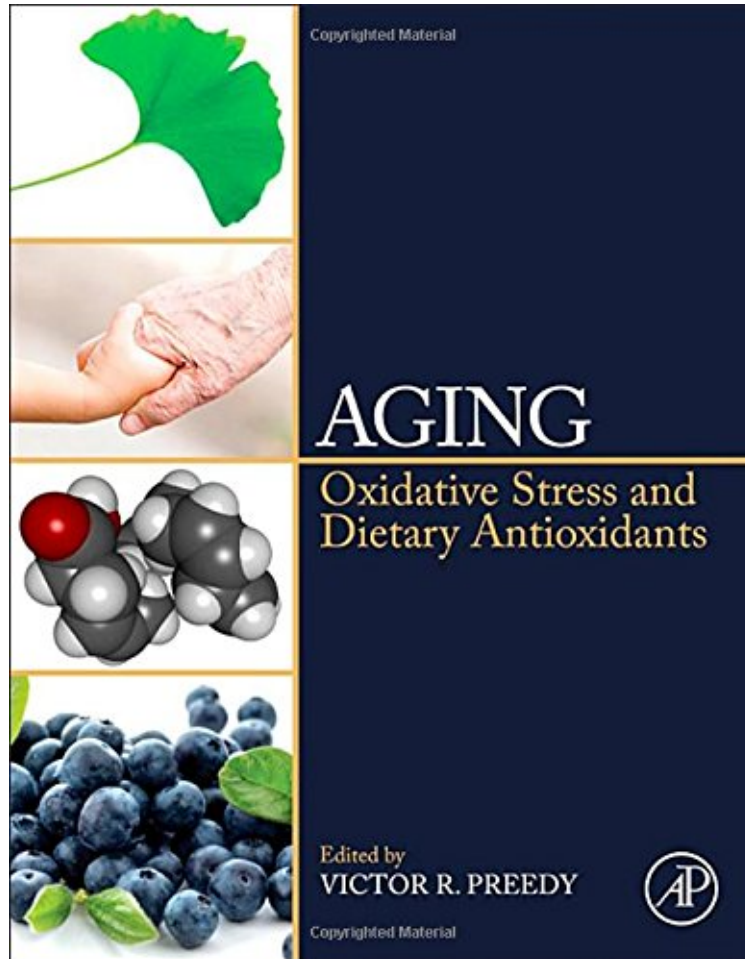


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Aging: Oxidative Stress and Dietary Antioxidants

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From Academic Press : Aging: Oxidative Stress and Dietary Antioxidants before purchasing it in order to gage whether or not it would be worth my time, and all praised Aging: Oxidative Stress and Dietary Antioxidants:

Aging: Oxidative Stress and Dietary Antioxidants bridges the trans-disciplinary divide and covers in a single volume the science of oxidative stress in aging and the potentially therapeutic use of natural antioxidants in the diet or food matrix. The processes within the science of oxidative stress are described in concert with other processes, such as apoptosis, cell signaling, and receptor mediated responses. This approach recognizes that diseases are often multifactorial, and oxidative stress is a single component of this. Gerontologists, geriatricians, nutritionists, and dieticians are separated by divergent skills and professional disciplines that need to be bridged in order to advance preventative as well as treatment strategies. While gerontologists and geriatricians may study the underlying processes

of aging, they are less likely to be conversant in the science of nutrition and dietetics. On the other hand, nutritionists and dietitians are less conversant with the detailed clinical background and science of gerontology. This book addresses this gap and brings each of these disciplines to bear on the processes inherent in the oxidative stress of aging. Nutritionists can apply information related to mitochondrial oxidative stress in one disease to diet-related strategies in another unrelated disease. Dietitians can prescribe new foods or diets containing anti-oxidants for conditions resistant to conventional pharmacological treatments. Dietitians, after learning about the basic biology of oxidative stress, will be able to suggest new treatments to their multidisciplinary teams. Nutritionists and dietitians will gain an understanding of cell signaling and be able to suggest new preventative or therapeutic strategies with anti-oxidant rich foods.

About the Author Victor R. Preedy BSc, PhD, DSc, FRSB, FRSPH, FRCPath, FRSC is a senior member of King's College London. He is also Director of the Genomics Centre and a member of the Faculty of Life Sciences and Medicine. Professor Preedy has longstanding academic interests in substance misuse especially in relation to health and well being. He is a member of the Editorial Board of Drug and Alcohol Dependence and a founding member of the Editorial Board of Addiction Biology. In his career Professor Preedy was Reader at the Addictive Behaviour Centre at The University of Roehampton, and also Reader at the School of Pharmacy (now part of University College London; UCL). Professor Preedy is Editor of the influential works *The Handbook Of Alcohol Related Pathology*, *The Neuropathology of Drug Addictions and Substance Misuse* and *The Handbook of Cannabis and Related Pathologies* (all published by Academic Press-Elsevier). Professor Preedy graduated in 1974 with an Honours Degree in Biology and Physiology with Pharmacology. He gained his University of London PhD in 1981. In 1992, he received his Membership of the Royal College of Pathologists and in 1993 he gained his second doctoral degree (DSc). Professor Preedy was elected as a Fellow of the Institute of Biology in 1995 and also as a Fellow to the Royal College of Pathologists in 2000. He was then elected as a Fellow of the Royal Society for the Promotion of Health (2004) and The Royal Institute of Public Health and Hygiene (2004). In 2009, Professor Preedy became a Fellow of the Royal Society for Public Health and in 2012 a Fellow of the Royal Society of Chemistry. To his credit, Professor Preedy has published over 600 articles, which includes peer-reviewed manuscripts based on original research, abstracts and symposium presentations, reviews and numerous books and volumes.