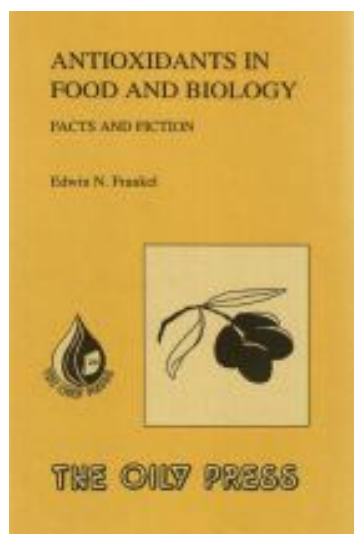


The Oily Press presents what will become the world's leading book on antioxidants, written by the author of bestselling book *Lipid Oxidation*....



ANTIOXIDANTS IN FOOD AND BIOLOGY: FACTS AND FICTION

Written by Edwin N. Frankel

University of California, USA

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The field of antioxidants has expanded over the last six decades into a wide variety of multi-disciplinary areas that impact foods and health. *Antioxidants in Food and Biology: Facts and Fiction* is a handbook designed to help all those who need to prevent or control oxidation, especially in food products, or to understand the properties of antioxidants in food, nutrition, health and medicine. It conveys the complexity of antioxidant chemistry by providing an appreciation of the various phenomena that affect oxidation and its inhibition in foods and biological systems. Beginning with the underlying chemistry, the book moves on to explain the activity of antioxidants in complex multiphase lipid systems and to discuss evaluation of the activities of antioxidants in foods and biological systems. After reviewing the antioxidants present in various foods, the author addresses the hypothesis that the health of an individual is influenced by the efficiency of various protection systems against oxidant damage. He also considers whether or not additional or more effective natural antioxidants are needed in our diet to reduce oxidative stress from dietary and environmental factors, and to thus reduce the risk of cardiovascular disease.

Contents list

- Introduction to antioxidants
 - Chemistry of antioxidation
 - Antioxidant action in multi-phase systems
 - Antioxidant protocols for foods and biological systems
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About the Author.....

Dr Edwin Frankel has been at the University of California at Davis since 1989, prior to which he worked for the US Department of Agriculture from 1956. From 1975 his research has concentrated on lipid oxidation and antioxidants. He received the Alton E. Bailey Award in 1985 for outstanding research and exceptional service in the field of lipids and associated products, the Stephen S. Chang award in 1999 for decisive accomplishments in research for the improvement or development of products related to lipids, and in 2007 he will receive the Supelco/Pelick Research Award for outstanding original research. His Oily Press book *Lipid Oxidation* has been the course book for the regular AOCS short course on 'Lipid Oxidation and Antioxidants' which is organized by Dr Frankel.



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