

Handbook of Food Processing Technology, Volume 1



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Reviews

*Very good e-book and valuable one. It can be written in basic words and phrases and not confusing. You will not really feel monotony at whenever you want of your own time (that's what catalogues are for concerning should you check with me).
(Mr. Antwon Frami)*

HANDBOOK OF FOOD PROCESSING TECHNOLOGY, VOLUME 1



Atlantic Publishers & Distributors (P) Ltd, 2008. Hardcover. Condition: New. Food science including the processing and preservation aspects is an interdisciplinary subject involving topics from chemistry, microbiology, engineering operations and technological processes. These topics need an interactive approach to enable one to gain a proper perspective and insight into the subject. The fast emerging food biotechnology, involving the use of genetically modified foods and food products, has become controversial even though the use of micro-organisms and microbial products in food processing has been in practice for centuries. The first volume of Handbook of Food Processing Technology deals with basic concepts of fruits and vegetables, major processed fruits and packaging of fruits and vegetables, and is divided into three sections. Section I is devoted to basic concepts of fruits and vegetables. While fruits are delicious, nutritious and a desirable component of our diet, they suffer from being extremely perishable. For this reason, it is often advantageous to preserve them for longer shelf life and easier transportation to locations distant from the site of production. Processing also transforms the raw material into new and perhaps improved product. This section also covers both traditional methods of preservation such as canning, freezing and drying. Section II studies major processed products and covers more than 22 fruits, including apples, peaches and apricots, sweet and sour cherries, plums, prunes, strawberries, raspberries, cranberries, grapes, oranges and tangerines, grapefruits, lemons and limes, bananas, tropical fruits, coconut, avocados, olives and nuts. Section III focuses on residual management and packaging. Residuals are necessary consequence of processing agricultural raw materials. The residuals dumped at local landfills and discharged to natural streams, have now become a major environmental concern. Environmental protection standards are becoming more stringent, causing disposal costs to escalate. These challenges of environmental protection and economic competitiveness are discussed in...



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