

Food Packaging Technology Handbook (2nd Revised Edition)



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Food packaging technology is primarily concerned with packaging activities regarding protection of food products from biological, physical or chemical agents. With the growth of modern civilization, people are getting more concerned with hygiene and quality of the food. As a result of that, food packaging is gradually setting up its stand to contend with other industries. The importance of food packaging hardly needs emphasizing since only a handful of foods are sold in an unpackaged state. Packaging is the science, art, and technology of enclosing or protecting products for distribution, storage, sale, and use. Packaging also refers to the process of design, evaluation, and production of packages. Packaging can be described as a coordinated system of preparing goods for transport, warehousing, logistics, sale, and end use. Packaging contains, protects, preserves, transports, informs, and sells. With an increasing focus on sustainability and cost effectiveness, responsible companies no longer want to over package their food products, yet many remain unsure just where reductions can effectively be made. In near future it is going to be a booming industry. Food packaging can functionally be subdivided into five parts, which are containment, protection, communication, functionality, environmental and safety issues. The packaging industry's growth has led to greater specialization and sophistication from the point of view of health and environment friendliness of packing material. The demand on the packaging industry is challenging, given the increasing environmental awareness among communities. The food packaging industry is growing at the rate of 22 to 25 per cent per annum. In near future it is going to be a booming industry. This book majorly deals with food adulteration and food quality control, strategy for achieving, success in food packaging, packaging materials for processed foods, food additives, trend of carbonated and still beverage spoilage, examination of canned foods, international food packaging, standard related to food safety, aseptic packaging of foodstuffs, computer aided graphic design in food packaging, thermal process determination, designing of thermal process for low acid foods, modified atmosphere packaging etc. Along with these features the book also encloses the description of equipments and machineries used in food processing and preservation with diagrams. This book also contains photographs of equipments and machineries used in food packaging. This book gives comprehensive account of food packaging, which is the most important part to preserve the food for a long time. The present volume has been written primarily for the benefit of new entrepreneurs, technologists, technical libraries and for those who want to diversify in the field of food industry.

Contents

1. Food Adulteration and Food Quality Control
2. Strategy for Achieving Success in Food Packaging Improvements
3. Packaging Materials for Processed Foods
4. Food Additives
5. Packaging Trend of Carbonated and "Still" Beverage
6. Spoilage Examination of Canned Foods
7. International Food Packaging Standard Related to Food Safety, Quality and Trade
8. From Appertisation to Aseptic Packaging
9. Aseptic Packaging of Foodstuffs
10. Computer Aided Graphic Design in Food Packaging
11. Thermal Process Determination
12. Designing of Thermal Process for Low-Acid Foods
13. Modified Atmosphere Packaging
14. Microwave-Ovenable Packages and Retortable Packages
15. New Polymeric Packaging Film for Food Products
16. Labels and Labelling
17. Adhesives - Latest Developments
18. Packaging of Milk
19. Trends for Cheese and Other Dairy Products Packaging
20. Packaging of Malted Milk Foods
21. Packaging of Cashew Nuts
22. Traditional Food Packaging
23. Lined Cartons for Packaging of Food Products
24. Bag-in-Box System
25. Microorganisms in Food
26. Ecofriendly and Safe Packaging of Seafoods for Exports
27. Canning of Vegetables and Animal Products
28. Canning of Fruit Products
29. Aseptic Processing and Packaging of Foods
30. Packaging of Fish in Modified Atmospheres
31. Packaging of Fresh Meat
32. Packaging of Shrimps
33. Equipment Commonly used for Food Processing and Preservation
34. Active Packaging
35. Measurement of Packaging Materials
36. Nanotechnology in Food Packaging
37. Machinery & Equipments (Photographs)

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