FOOD PACKAGING AND SHELF LIFE

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DESCRIPTION

Food packaging plays a vital role in preserving food throughout the distribution chain. Without packaging, the processing of food can become compromised as it is contaminated by direct contact with physical, chemical, and biological contaminants. In recent years, the development of novel food packaging (modified atmosphere & active packaging) has not only increased the shelf life of foods, but also their safety and quality - therefore bringing convenience to consumers. Directly related, and interlinked, with food packaging is the concept of shelf life - the length of time that foods, beverages, pharmaceutical drugs, chemicals, and many other perishable items are given before they are considered unsuitable for sale, use, or consumption.

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- Physical & chemical properties of food packaging materials
- Polymer, glass, metal and paper packaging systems
- Nano packaging
- Vacuum, gas, aseptic and sterile packaging
- Modified atmosphere packaging systems
- Active and intelligent, & antimicrobial packaging systems
- Edible packaging
- Bio-plastics for food, pharmaceutical and cosmetic industry
- Food package testing
- Sensory properties of packaged foods
- Microencapsulation
- Migration from packaging materials
- Food package interactions
- Shelf life of packaged food products
- Recycling of food packaging Materials
- Packaging sustainability
- Microbial stability of food during storage, handling and transportation
- Sensory changes during food storage
- Chemical, physical and microbial determinants for shelf life
- Shelf life simulation
• Shelf life and food safety
• Accelerated shelf life tests

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INTRODUCTION

Food packaging plays a vital role in preserving food throughout the distribution chain. Without packaging, the processing of food can become compromised as it is contaminated by direct contact with physical, chemical, and biological contaminants. In recent years, the development of novel food packaging (modified atmosphere & active packaging) has not only increased the shelf life of foods, but also their safety and quality - therefore bringing convenience to consumers. Directly related, and interlinked, with food packaging is the concept of shelf life - the length of time that foods, beverages, pharmaceutical drugs, chemicals, and many other perishable items are given before they are considered unsuitable for sale, use, or consumption.

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