

Chapter 1. Introduction.

Part 1: Modified atmosphere packaging.

Chapter 2. Mathematical modeling of modified atmosphere packaging.

Chapter 3. Respirations and browning discoloration of fresh-cut produce in modified atmosphere packaging.

Chapter 4. Fresh-cut produce microbiology of modified atmosphere packaging.

Chapter 5. Sensory and sensory-related quality of fresh-cut produce under MAP.

Chapter 6. Phytochemical changes of fresh-cut fruits and vegetables in controlled and modified atmosphere packaging.

Chapter 7. Active modification of atmosphere in packages.

Part 2: Modified atmosphere packaging materials and Machinery.

Chapter 8. Polymeric films used for modified atmosphere packaging of fresh-cut produce.

Chapter 9. Breatheway® membrane technology and modified atmosphere packaging.

Chapter 10. Microperforated films for fresh produce packaging.

Chapter 11. Modified atmosphere packaging machinery selection and specification.

Chapter 12. Hygienic design of machinery.

Part 3: Novel packaging technologies.

Chapter 13. Nano-structure packaging technologies.

Chapter 14. Active packaging for fresh-cut fruits and vegetables.

Chapter 15. Packaging sustainability for modified atmosphere packaging of fruits and vegetables.