

# **Table of Contents**

## **Technologies to Preserve Fresh-Cut Fruits and Vegetables**

*Sunil Pareek*

## **Pulsed Light Treatment of Fresh-Cut Fruits and Vegetables**

*Maria Turtoi*

## **Hurdle Technology in Fruit Processing**

*Stella M. Alzamora, Sandra N. Guerrero, Silvia Raffellini, Mariana Ferrario, and Marcela Schenk*

## **Process Design and Equipment for Fresh-Cut Fruit and Vegetable Industry**

*Alessandro Turatti*

## **Tissue Structure and Rheological and Texture Characteristics of Minimally Processed Fruits**

*Stella M. Alzamora, Andrea B. Nieto, María A. Castro, Paula Gómez, Analía García Loredó, Joaquin Fava, and Sebastian Vicente*

## **Factors Affecting Quality and Safety of Fresh-Cut Fruits and Vegetables**

*Giancarlo Colelli and Maria Luisa Amodio*

## **Physiology and Quality of Fresh-Cut Produce in CA/MA Storage**

*Hidemi Izumi, Victor Rodov, Jinhe Bai, and Sumithra K. Wendakoon*

## **Effect of Minimal Processing and Applied Treatments on Antioxidant Losses of Tropical Fruits and Vegetables**

*Laura Contreras-Angulo, Gustavo Adolpho González-Aguilar, J. Basilio Heredia, and Sunil Pareek*

## **Edible Films and Coatings for Fresh and Minimally Processed Fruits and Vegetables**

*Theeranun Janjarasskul, Rungsinee Sothornvit, and Tara Mchugh*

## **Antimicrobial Packaging for Fresh and Fresh-Cut Fruits and Vegetables**

*María B. Pérez-Gago and Lluís Palou*

**Gum Arabic-Based Edible Coatings for Fresh Horticultural Produce**

*Asgar Ali and Maysoun A. Mustafa*

**Emerging Sanitation Techniques for Fresh-Cuts**

*Elisabete M.C. Alexandre, Teresa R.S. Brandão, and Cristina L.M. Silva*

**Microbial Safety of Fresh-Cut Fruits and Vegetables**

*María V. Alvarez, María Del R. Moreira, and Jesús F. Ayala-Zavala*

**Application of Natural Antimicrobial Compounds to Enhance the Microbial Safety of Fresh and Minimally Processed Produce**

*Yangjin Jung and Karl R. Matthews*

**Chlorine Dioxide in Preservation of Minimally Processed Horticultural Produce**

*Vicente M. Gómez-López and Adriana Izquier*