**Chapter 1: Non-thermal Processes in Food Preservation** 

**Chapter 2: High-pressure processing** 

**Chapter 3: Pulsed Electric Field Processing** 

**Chapter 4: Ultraviolet & Pulsed Light Treatment** 

**Chapter 5: Power Ultrasound Processing** 

**Chapter 6: Cold Plasma Technology** 

**Chapter 7: Ozone Processing** 

**Chapter 8: Irradiation** 

**Chapter 9: Oscillating Magnetic Field Processing** 

**Chapter 10: Commercial Aspects and Challenges**