Preharvest and Postharvest Food Safety. Contemporary Issues and Future Directions. Institute of Food Technologists Series

Description: A worthy new edition to the IFT Press series of food and technology titles, Preharvest and Postharvest Food Safety describes what we know today in food safety and provides a focus for the future. This text presents the latest scientific research on the major pathogens associated with meat, poultry, produce, and other foods, and goes beyond other professional reference books by identifying the research needed to assure food safety in the future.

In this original text, scientists and researchers from academia, government, and industry have collaborated to examine the high-priority food safety areas recognized by the federal government: pathogen/host interactions; ecology, distribution, and spread of foodborne hazards; antimicrobial resistance; verification tests; decontamination and prevention strategies; and risk analysis. The editors and authors not only review the current, cutting-edge literature in each of their areas, they also provide insights into the development of groundbreaking approaches and research strategies. No food science library will be complete without this all-inclusive text.

Contents:

Contributors.

Foreword (The Honorable Elsa A. Murano).

Preface.

Part I: Pathogen/Host Interactions.

1 Foodborne Salmonella Infections (Andreas J. Bäumler).

2 Pathogenic Escherichia coli (Suryakant D. Waghela).

3 Foodborne Enterohemorrhagic Escherichia coli Infections (Vernon L. Tesh).

4 Bacterial Hazards in Fresh and Fresh-Cut Produce: Sources and Control (Alejandro Castillo and M. Ofelia Rodriguez-García).

5 Campylobacter Species and Fresh Produce: Outbreaks, Incidence, and Biology (Robert E. Mandrell and Maria T. Brandl).

6 Campylobacter and Campylobacteriosis: What We Wish We Knew (Richard L. Ziprin).

7 Global Analysis of the Mycobacterium avium subsp. paratuberculosis Genome and Model Systems Exploring Host Agent Interactions (Thomas A. Ficht, L. Garry Adams, Sangeeta Khare, Brian O'Shea, and Allison C. Rice-Ficht).

8 Viruses in Food (Sagar M. Goyal).

Part II: Ecology, Distribution, and Spread of Foodborne Hazards.


13 Environmental Reservoirs and Transmission of Foodborne Pathogens (Scot E. Dowd, Jeanette A. Thurston–Enriquez, and Mindy Brashears).

14 Do Animal Transmissible Spongiform Encephalopathies Pose a Risk for Human Health? (Mary Jo Schmerr).

Part III: Antimicrobial Resistance.

15 Antimicrobial Susceptibility Testing (Patrick F. McDermott, David G. White, Shaohua Zhao, Shabbir Simjee, and Robert D. Walker).

16 Antimicrobial Resistance in Food Animals (Kenneth M. Bischoff, Toni L. Poole, and Ross C. Beier).


18 Disinfectants (Biocides) Used in Animal Production: Antimicrobial Resistance Considerations (Ross C. Beier, Kenneth M. Bischoff, and Toni L. Poole).

19 Prevalence of Antimicrobial–Resistant Bacteria in Retail Foods (David G. White, Shaohua Zhao, Shabbir Simjee, Jianghong Meng, Robert D. Walker, and Patrick F. McDermott).

Part IV: Verification Tests.

20 The Hazard Analysis and Critical Control Point System and Importance of Verification Procedures (Jimmy T. Keeton and Kerri B. Harris).

21 Are They Vibrios? How Do You Know? (Sam W. Joseph).

22 Molecular Methods for Microbial Detection (Suresh D. Pillai).

23 Methods for Differentiation among Bacterial Foodborne Pathogens (Steven L. Foley and Robert D. Walker).

Part V: Decontamination and Prevention Strategies.


26 Control of Listeria monocytogenes in Ready-to-Eat Foods (Douglas L. Marshall).


28 Food Irradiation (Suresh D. Pillai).

29 Clay–Based Interventions for the Control of Chemical and Microbial Hazards in Food and Water (Henry J. Huebner, Paul Herrera, and Timothy D. Phillips).

Part VI: Risk Analysis.

30 Food Safety Risk Communication and Consumer Food–Handling Behavior (Wm. Alex McIntosh).

31 Addressing Microbial Food Safety Issues Quantitatively: A Risk Assessment Approach (Kristina D. Mena, Joan B. Rose, and Charles P. Gerba).

32 How to Manage Risk The Way Forward (Ewen C. D. Todd).
Afterword.


Index.

Ordering:

Order Online - [http://www.researchandmarkets.com/reports/2221807/](http://www.researchandmarkets.com/reports/2221807/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Preharvest and Postharvest Food Safety. Contemporary Issues and Future Directions. Institute of Food Technologists Series
Web Address: http://www.researchandmarkets.com/reports/2221807/
Office Code: SCD29TP4

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Hard Back):</td>
<td>USD 233 + USD 29 Shipping/Handling</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: 

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World