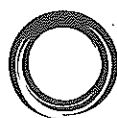


Journal of Food Protection®

ISSN 0362-028X
Official Publication



International Association for
Food Protection®

Reg. U.S. Pat. Off.

Vol. 84

January 2021

No. 1

Scientific Editors' Report Joshua B. Gurtler, Lauren S. Jackson, Elliot T. Ryser, and Panagiotis Skandamis 4

Research Papers

Validation of a Simple Two-Point Method To Assess Restaurant Compliance with Food Code Cooling Rates
Matthew J. Igo, Nicole Hedeem, and Donald W. Schaffner* 6

Effects of Dietary 5'-CMP on Neu5Gc Contents in the Muscle and Viscera of Xiang Pigs Hongying Li, Qiujiu
Zhu,* Rui Chang, Ke Hu, Xuling Zhu, Aqi Xu, Shitao Xu, and Pengyu Tang 23

Comparison between the Real-Time PCR and Crystal Diagnostic Xpress Immunoassay Methods for
Detecting *Salmonella* and Shiga Toxin-Producing *Escherichia coli* in the Air of Beef Slaughter
Establishments Zahra Mohammad, Samuel Beck, Maria King, Davey Griffin, and Alejandro Castillo* 31

Modeling the Effects of Product Temperature, Product Moisture, and Process Humidity on Thermal
Inactivation of *Salmonella* in Pistachios during Hot-Air Heating Kaitlyn E. Casulli, Kirk D. Dolan, and Bradley
P. Marks* 47

Evaluation and Application of Different Cholesterol-Lowering Lactic Acid Bacteria as Potential Meat
Starters Qing Zhang, Xiaojuan Song, Wenlin Sun, Chan Wang, Cuiqin Li, Laping He,* Xiao Wang, Han Tao, and
Xuefeng Zeng 63

Prevalence of *Salmonella enterica* Isolated from Food Contact and Nonfood Contact Surfaces in
Cambodian Informal Markets Carla L. Schwan, Karina Desiree, Nora M. Bello, Leonardo Bastos, Lyda Hok,
Randall K. Phebus, Sara Gragg, Justin Kastner, and Jessie L. Vipham* 73

Evaluation of Autogenous Vaccine Use in Mitigating *Salmonella* in Lymph Nodes from Feedlot Cattle in
Texas Brogan C. Horton, Kerri B. Gehring, Jason E. Sawyer, and Ashley N. Arnold* 80

Application of *Enterococcus faecium* KE82, an Enterocin A-B-P-Producing Strain, as an Adjunct Culture
Enhances Inactivation of *Listeria monocytogenes* during Traditional Protected Designation of Origin
Galotyri Processing Nikoletta Sameli, Panagiotis N. Skandamis, and John Samelis* 87

Small Produce Farm Environments Can Harbor Diverse *Listeria monocytogenes* and *Listeria* spp.
Populations Alexandra Bellas, Laura K. Strawn, Martin Wiedmann, and Daniel Weller* 113

Microbiological Quality of High-Demand Foods from Three Major Cities in Ecuador Enrique
Salazar-Llorente, Maria Morales, Ivette Sornoza, Maria Gabriela Mariduena-Zavala, Ganyu Gu, Xiangwu Nou,
Johana Ortiz, Pedro Maldonado-Alvarado, and Juan Manuel Cevallos-Cevallos* 128

Antimicrobial Effect of UVC Light-Emitting Diodes against *Saccharomyces cerevisiae* and Their
Application in Orange Juice Decontamination Liyuan Niu, Zihao Wu, Lanrui Yang, Yanqiu Wang, Qisen
Xiang, and Yanhong Bai* 139

Application of Ozone against the Larvae of *Plodia interpunctella* (Hübner) and Its Impacts on the
Organoleptic Properties of Walnuts Esmaeel Seyedabadi,* Mehdi Aran, and Rahil Mirabi Moghaddam 147

Shiga Toxin-Producing *Escherichia coli* in Feces of Finisher Pigs: Isolation, Identification, and Public
Health Implications of Major and Minor Serogroups S. E. Remfry, R. G. Amachawadi,* X. Shi, J. Bai,
M. D. Tokach, S. S. Dritz, R. D. Goodband, J. M. Derouchey, J. C. Woodworth, and T. G. Nagaraja* 169

Research Notes

Prevalence and Genotyping of *Campylobacter jejuni* and *Campylobacter coli* from Ovine Caracasses in
New Zealand Lucia Rivas,* Pierre-Yves Dupont, Brent Gilpin, and Helen Withers 14

* Asterisk indicates author for correspondence.

The publishers do not warrant, either expressly or by implication, the factual accuracy of the articles or descriptions herein, nor do they so warrant any views or opinions offered by the authors of said articles and descriptions.

Occurrence of Virulence and Resistance Genes in <i>Salmonella</i> in Cloacae of Slaughtered Chickens and Ducks at Pluck Shops in Trinidad Nitu Kumar,* Krishna Mohan, Karla Georges, Francis Dziva, and Abiodun A. Adesiyun	39
Detection of Psychrophilic <i>Clostridium</i> spp. in Fecal Samples from Cattle of Different Ages Sampled at the Slaughterhouse Level Joseph Wambui,* Giovanni Ghielmetti, Marina Morach, Mirjam Hochreutener, and Roger Stephan	58
Microbiological Profile, Incidence, and Behavior of <i>Salmonella</i> on Seeds Traded in Mexican Markets Cristian D. Juárez Arana, Ramón A. Martínez Peniche, Marcela Gaytán Martínez, and Montserrat Hernández Iturriaga*	99
Fate of Aflatoxins during Almond Oil Processing Noreen E. Mahoney, Luisa W. Cheng, and Jeffrey D. Palumbo*	106
Thermal Resistance of Single Strains of Shiga Toxin-Producing <i>Escherichia coli</i> O121:H19 and O157:H7 Based on Culture Preparation Method and Osmolyte-Reduced Water Activity Jennifer C. Acuff, Kim Waterman, Jahnvi Ramakrishnan, and Monica A. Ponder*	122
Antibiotic Resistance Characteristics and Prevalence in Kitfo, an Ethiopian Beef Tartar Behailu B. Eshetea, Nicole Addy, Laura Ewing, Junia Jean-Gilles Beaubrun, and Broderick Eribo*	152
A New Method for Detection of <i>Arcobacter butzleri</i> , <i>Arcobacter cryaerophilus</i> , and <i>Arcobacter skirrowii</i> Using a Novel Chromogenic Agar Paul T. Nguyen,* Oscar Juárez, and Lawrence Restaino	160

doi:10.4315/84.1.2

ERRATUM

In the article Survival and Virulence of *Listeria monocytogenes* during Storage on Chocolate Liquor, Corn Flakes, and Dry-Roasted Shelled Pistachios at 4 and 23°C by Vivian Ly, Valeria R. Parreira, Alma Fernanda Sanchez-Maldonado, and Jeffrey M. Farber, published in *Journal of Food Protection*, 83(11):1852–1862, doi:10.4315/JFP-20-129, the corn flakes and pistachio figures (Fig. 1B and 1C) were reversed and the corn flakes figure contained the same a_w lines as the chocolate liquor a_w . The corrected figure follows.

FIGURE 1

Survival of *L. monocytogenes* (solid triangles) and water activity (shaded circles) of inoculated chocolate liquor (A), corn flakes (B), and dry-roasted pistachios (C) stored at 23°C and 30 to 35% RH (solid line) or at 4°C and 25 to 81% RH (dashed line) for 336 days. Experiments were conducted in biological duplicate. Error bars represent standard deviations from the mean ($n = 6, 6, \text{ and } 12$, respectively). The limit of detection was 0.48 log CFU/g (dotted line). Asterisks indicate population estimates (i.e., below the limit of quantification).

