

FOOD CONTROL

CONTENTS

Volume 63 May 2016

- 1 **Assessment of antimicrobial activity of N^α-lauroyl arginate ethylester (LAE®) against *Yersinia enterocolitica* and *Lactobacillus plantarum* by flow cytometry and transmission electron microscopy**
J. CORONEL-LEÓN, A. LÓPEZ, M.J. ESPUNY, M.T. BELTRAN, A. MOLINOS-GÓMEZ, X. ROCABAYERA & A. MANRESA (Spain)
- 11 **Development of a one-step immunochromatographic assay with two cutoff values of aflatoxin M1**
C. WU, D. LIU, T. PENG, S. SHAN, G. ZHANG, Y. XIONG & W. LAI (China)
- 15 **4-Methylimidazole in soluble coffee and coffee substitutes**
S.C. CUNHA, L. SENRA, R. CRUZ, S. CASAL & J.O. FERNANDES (Portugal)
- 21 **Antibacterial effects of 16 formulations and irradiation against *Clostridium sporogenes* in a sausage model**
M. GHABRAIE, K.D. VU, S. TNANI & M. LACROIX (Canada)
- 28 **An analytical approach to reveal the addition of heat-denatured whey proteins in lab-scale cheese making**
F. MASOTTI, S. CATTANEO, M. STUKNYTĖ & I. DE NONI (Italy)
- 34 **Effect of the competitive growth of *Lactobacillus sakei* MN on the growth kinetics of *Listeria monocytogenes* Scott A in model meat gravy**
E.J. QUINTO (USA), J.M. MARÍN (Spain) & D.W. SCHAFFNER (USA)
- 46 **Lysozyme immobilized on chitosan beads: Kinetic characterization and antimicrobial activity in white wines**
K. LIBURDI, I. BENUCCI, F. PALUMBO & M. ESTI (Italy)
- 53 **A review of methods for the evaluation of handwashing efficacy**
D.M. CONOVER & K.E. GIBSON (United States)
- 65 **Effects of oregano extract on oxidative, microbiological and sensory stability of sheep burgers packed in modified atmosphere**
R.P.P. FERNANDES, M.A. TRINDADE (Brazil), J.M. LORENZO (Spain), P.E.S. MUNEKATA & M.P. DE MELO (Brazil)
- 76 **Formalin-fixed cells as an internal standard approach for the detection and quantitative assessment of Shiga toxin-producing *Escherichia coli* (STEC)**
C.A. BAKER, S.H. PARK, S.A. KIM, P.M. RUBINELLI, S.M. ROTO, S.I. LEE, S. RAMSAROOP, M. MILLER & S.C. RICKE (USA)
- 83 **Quantity-based microbiological sampling plans and quality after inspection**
E. SANTOS-FERNÁNDEZ, K. GOVINDARAJU & G. JONES (New Zealand)
- 93 **Comparative proteomic analysis by iTRAQ-2DLC-MS/MS provides insight into the key proteins involved in *Cronobacter* sp. biofilm formation**
J. YANG, Y. HE, J. JIANG, W. CHEN, Q. GAO, L. PAN & C. SHI (PR China)
- 101 **Consumers' behaviors and concerns on fresh vegetable purchase and safety in Beijing urban areas, China**
L. CHENG, S. JIANG, S. ZHANG, H. YOU, J. ZHANG, Z. ZHOU, Y. XIAO, X. LIU, Y. DU, J. LI, X. WANG, Y. XIN, Y. ZHENG & K. SHANG (PR China)

- 110 Determination of water-soluble vitamins in energy and sport drinks by micellar electrokinetic capillary chromatography
M. NAVARRO-PASCUAL-AHUIR, M.J. LERMA-GARCÍA, E.F. SIMÓ-ALFONSO & J.M. HERRERO-MARTÍNEZ (Spain)
- 117 Highly sensitive and selective spectrofluorimetric determination of nitrite in food products with a novel fluorogenic probe
Q. WANG, S. MA, H. HUANG, A. CAO, M. LI & L. HE (China)
- 122 *Vibrio parahaemolyticus* detection aptasensor using surface-enhanced Raman scattering
N. DUAN, Y. YAN, S. WU & Z. WANG (China)
- 128 A participant – Led programme for field veterinary training to identify bacteriological quality of milk from the farmer to the retail outlet
R. KALUPAHANA (Sri Lanka) & A. SILVA-FLETCHER (UK)
- 135 Investigations on the occurrence of mycotoxins in beer
J.I. BAUER, M. GROSS, C. GOTTSCHALK & E. USLEBER (Germany)
- 140 Effective biosorption of patulin from apple juice by cross-linked xanthated chitosan resin
X. PENG, B. LIU, W. CHEN, X. LI, Q. WANG, X. MENG & D. WANG (China)
- 147 Food allergy management among restaurant workers in a large U.S. city
R. DUPUIS, Z. MEISEL, D. GRANDE, E. STRUPP, S. KOUNAVES, A. GRAVES, R. FRASSO & C.C. CANNUSCIO (USA)
- 158 Inhibition of *Listeria monocytogenes in vitro* and in goat milk by liposomal nanovesicles containing bacteriocins produced by *Lactobacillus sakei* subsp. *sakei* 2a
P.S. MALHEIROS, I.M. CUCCOVIA & B.D.G.M. FRANCO (Brazil)
- 165 Search for diarrheagenic *Escherichia coli* in raw kibbe samples reveals the presence of Shiga toxin-producing strains
J.T.M. PERESI, I.A.Z.C.D. ALMEIDA, T.M.I. VAZ, R.T. HERNANDES, I.S.D.C. TEIXEIRA, S.I.D.L.E. SILVA, R.A.S. GRACIANO, S.R. PINHEIRO & L.F. DOS SANTOS (Brazil)
- 171 Rhamnolipid and surfactin: Anti-adhesion/antibiofilm and antimicrobial effects
L.V.D. ARAUJO, C.R. GUIMARÃES, R.L.D.S. MARQUITA, V.M.J. SANTIAGO, M.P. DE SOUZA, M. NITSCHKE & D.M.G. FREIRE (Brazil)
- 179 A 'best practice score' for the assessment of food quality and safety management systems in fresh-cut produce sector
P.G. TZAMALIS, D.B. PANAGIOTAKOS & E.H. DROSINOS (Greece)
- 187 The level of food safety knowledge in food establishments in three European countries
N. SMIGIC, I. DJEKIC (Serbia), M.L. MARTINS, A. ROCHA (Portugal), N. SIDIROPOULOU & E.P. KALOGIANNI (Greece)
- 195 A microwave sensor for the characterization of bovine milk
D. AGRANOVICH (Israel), I. RENHART (Belarus), P. BEN ISHAI, G. KATZ, D. BEZMAN & Y. FELDMAN (Israel)
- 201 Microbial benefits and risks of raw milk cheese
Y. YOON, S. LEE & K.-H. CHOI (South Korea)
- 216 A PCR-DGGE method for the identification of histamine-producing bacteria in cheese
M. DIAZ, V. LADERO, B. REDRUELLO, E. SANCHEZ-LLANA, B. DEL RIO, M. FERNANDEZ, M.C. MARTIN & M.A. ALVAREZ (Spain)
- 224 Comparison of perfluoroalkyl substances contamination in farmed and wild-caught European sea bass (*Dicentrarchus labrax*)
A. BARBAROSSA, T. GAZZOTTI, F. FARABEGOLI, F.R. MANCINI, E. ZIRONI, A. BADIANI, L. BUSANI & G. PAGLIUCA (Italy)
- 230 PMA based real-time fluorescent LAMP for detection of *Vibrio parahaemolyticus* in viable but nonculturable state
Q. ZHONG, J. TIAN, B. WANG & L. WANG (China)
- 239 Fast and sensitive aflatoxin B₁ and total aflatoxins ELISAs for analysis of peanuts, maize and feed ingredients
M. OPLATOWSKA-STACHOWIAK (United Kingdom, The Netherlands), N. SAJIC (The Netherlands), Y. XU, S.A. HAUGHEY, M.H. MOONEY, Y.Y. GONG (United Kingdom), R. VERHEIJEN (The Netherlands) & C.T. ELLIOTT (United Kingdom)
- 246 Reduction of *Escherichia coli* O157:H7 and *Salmonella Typhimurium* DT 104 on fresh produce using an automated washer with near neutral electrolyzed (NEO) water and ultrasound
G.K. AFARI, Y.-C. HUNG, C.H. KING (USA) & A. HU (PR China)
- 255 Laboratory Triple-A rating: A new approach to evaluate performance-underperformance of laboratories participating in EU proficiency tests for multi-residue analysis of pesticides in fruits and vegetables
A. VALVERDE, A.R. FERNÁNDEZ-ALBA, C. FERRER & A. AGUILERA (Spain)
- 259 Prevalence, acquired antibiotic resistance and bacteriocin production of *Enterococcus* spp. isolated from tunisian fermented food products
A. REHAIEM, I. FHOULA, A.F. SLIM, I.B. BEN BOUBAKER, A.B. CHIHI & H.-I. OUZARI (Tunisia)
- 267 Corrigendum to "Identification of species in ground meat products sold on the U.S. commercial market using DNA-based methods" [Food Control 59 (2015) 158–163]
D.E. KANE & R.S. HELLBERG (USA)
- 268 Corrigendum to "DNA barcoding reveals mislabeling of game meat species on the U.S. commercial market" [Food Control 59 (2015) 386–392]
C.A. QUINTO, R. TINOCO & R.S. HELLBERG (USA)