

# CONTENTS

Volume 62 April 2016

- 1 Verifying the red wines adulteration through isotopic and chromatographic investigations coupled with multivariate statistic interpretation of the data  
E.I. GEANA, R. POPESCU, D. COSTINEL, O.R. DINCA, I. STEFANESCU, R.E. IONETE & C. BALA (Romania)
- 10 Prevalence, genetic diversity and antimicrobial susceptibility of *Campylobacter jejuni* isolated from retail food in China  
X. ZHONG, Q. WU, J. ZHANG & S. SHEN (PR China)
- 16 Occurrence and factors associated with the presence of aflatoxin M<sub>1</sub> in breast milk samples of nursing mothers in central Mexico  
F. CANTÚ-CORNELIO, J.E. AGUILAR-TOALÁ, C.I. DE LEÓN-RODRÍGUEZ, J. ESPARZA-ROMERO, B. VALLEJO-CORDOBA, A.F. GONZÁLEZ-CÓRDOVA, H.S. GARCÍA & A. HERNÁNDEZ-MENDOZA (Mexico)
- 23 ISO 9001 implementation and associated manufacturing and marketing practices in the olive oil industry in southern Spain  
C. PARRA-LÓPEZ, A. HINOJOSA-RODRÍGUEZ, C. CARMONA-TORRES & S. SAYADI (Spain)
- 32 Modelling the combined effects of salt, sorbic acid and nisin on the probability of growth of *Clostridium sporogenes* in a controlled environment (nutrient broth)  
E. KHANIPOUR, S.H. FLINT, O.J. MCCARTHY, M. GOLDING, J. PALMER (New Zealand), D.A. RATKOWSKY, T. ROSS & M. TAMPLIN (Australia)
- 44 Antimicrobial activity and physical properties of protein films added with cell-free supernatant of *Lactobacillus rhamnosus*  
S.C. BERISTAIN-BAUZA, E. MANI-LÓPEZ, E. PALOU & A. LÓPEZ-MALO (Mexico)
- 52 A study on the occurrence of aflatoxin M<sub>1</sub> in milk consumed in Kosovo during 2009–2010  
A. RAMA (Serbia), C. MONTESISSA, L. LUCATELLO, G. GALINA, C. BENETTI (Italy) & D. BAJRAKTARI (Serbia)
- 56 Impact of food hazards in school meals on students' health, academic work and finance – Senior High School students' report from Ashanti Region of Ghana  
P.F. ABABIO (UK, Ghana), K.D.A. TAYLOR, M. SWAINSON & B.A. DARAMOLA (UK)
- 63 Prevalence and antimicrobial resistance of *Campylobacter* spp. isolated from retail chicken and duck meat in South Korea  
B. WEI, S.-Y. CHA, R.-H. YOON, M. KANG, J.-H. ROH, H.-S. SEO, J.-A. LEE & H.-K. JANG (Republic of Korea)
- 69 Growth behavior and temporal enterotoxin D expression of *Staphylococcus aureus* strains under glucose and lactic acid stress  
H.-M. SIHTO, T. TASARA, R. STEPHAN & S. JOHLER (Switzerland)
- 74 Influence of temperature on alkali stress adaptation in *Listeria monocytogenes*  
Q. SHEN, P. PANDARE, K.A. SONI, R. NANNAPANENI, B.S.M. MAHMOUD & C.S. SHARMA (USA)
- 81 Rapid detection of *Salmonella* using a redox cycling-based electrochemical method  
D. WANG, Z. WANG, J. CHEN, A.J. KINCHLA & S.R. NUGEN (United States)

- 89 Barriers and benefits to the adoption of a third party certified food safety management system in the food processing sector in Shanghai, China  
J. QIJUN (China) & P.J. BATT (Australia)
- 97 Investigation of ochratoxin A in Syrian consumed baby foods  
E. DAROUJ, L. MASSOUH & I. GHANEM (Syria)
- 104 Occurrence of *Listeria monocytogenes* and *Salmonella* spp. in meat processed products from industrial plants in Southern Italy  
V. D'OSTUNI, M. TRISTEZZA, M.G. DE GIORGI, P. RAMPINO, F. GRIECO & C. PERROTTA (Italy)
- 110 Suboptimal growth conditions induce heterologous ultraviolet-C adaptation in *Salmonella enterica* in orange juice  
A.A. GABRIEL, E.E.C. ESTILO, N.C.C. ISNIT & B.N.Q. MEMBREBE (Philippines)
- 117 *Escherichia coli* O26:H11 growth in co-culture with an antagonistic strain of *Hafnia alvei* according to pH and temperature  
C. CALLON, A.M. NDOB, A. SAVIGNARD, E. RIFA & M.-C. MONTEL (France)
- 125 Understanding the routes of contamination of ready-to-eat vegetables in the Middle East  
D. FAOUR-KLINGBEIL (UK), M. MURTADA (Lebanon), V. KURI (UK) & E.C.D. TODD (USA)
- 134 Food safety and young consumers: Testing a serious game as a risk communication tool  
S. CROVATO, A. PINTO, P. GIARDULLO, G. MASCARELLO, F. NERESINI & L. RAVAROTTO (Italy)
- 142 A new fear in wine: Isolation of *Staphylococcus epidermidis* histamine producer  
Y. BENAVENT-GIL, C. BERBEGAL, O. LUCIO, I. PARDO & S. FERRER (Spain)
- 150 Optimization and validation of a PMA qPCR method for *Escherichia coli* quantification in primary production  
P. TRUCHADO, M.I. GIL (Spain), T. KOSTIC (Austria) & A. ALLENDE (Spain)
- 157 Mislabelling of beef and poultry products sold in Malaysia  
L.-O. CHUAH, X.B. HE, M.E. EFFARIZAH, Z.A. SYAHARIZA, A.K. SHAMILA-SYUHADA & G. RUSUL (Malaysia)
- 165 Incidence and survey of polycyclic aromatic hydrocarbons in edible vegetable oils in China  
L.-K. SHI, D.-D. ZHANG & Y.-L. LIU (China)
- 171 Determination of phthalates in food simulants and liquid samples using ultrasound-assisted dispersive liquid-liquid microextraction followed by solidification of floating organic drop  
J. PÉREZ-OUTEIRAL, E. MILLÁN & R. GARCIA-ARRONA (Spain)
- 178 Food safety and hygiene practices of vendors during the chain of street food production in Florianópolis, Brazil: A cross-sectional study  
R.D.M. CORTESE (Brazil), M.B. VEIROS (Brazil, United States), C. FELDMAN (United States) & S.B. CAVALLI (Brazil)
- 187 Detoxification of zearalenone by *Lactobacillus pentosus* strains  
A. SANGSILA (Thailand), V. FAUCET-MARQUIS, A. PFOHL-LESZKOWICZ (France) & P. ITSARANUWAT (Thailand)
- 193 Hygiene assessment of Serbian meat establishments using different scoring systems  
I. NASTASIJEVIC, I. TOMASEVIC, N. SMIGIC, D. MILICEVIC, Z. PETROVIC & I. DJEKIC (Serbia)
- 201 Evaluation of SICAN performance for biofouling mitigation in the food industry  
J.M.R. MOREIRA, R. FULGÊNCIO, P. ALVES, I. MACHADO (Portugal), I. BIALUCH (Germany), L.F. MELO, M. SIMÕES & F.J. MERGULHÃO (Portugal)
- 208 Successful management of *Listeria* spp. in an avocado processing facility  
A. STRYDOM, R. VORSTER, P.A. GOUWS & R.C. WITTHUHN (South Africa)
- 216 Influence of the frying process and potato cultivar on acrylamide formation in French fries  
Y. YANG, I. ACHAERANDIO & M. PUJOLÀ (Spain)
- 224 Isolation and characterization of *Cronobacter* spp. from indigenous infant flours sold in public health care centres within Abidjan, Côte d'Ivoire  
K. YAO, K.F. N'GUESSAN, N.Y. ZINZENDORF, K.A. KOUASSI, K.C. KOUASSI, Y.G. LOUKOU & P.L. KOUAMÉ (Cote d'Ivoire)
- 231 Deoxynivalenol in the wheat milling process and wheat-based products and daily intake estimates for the Southern Brazilian population  
G.D. SAVI, K.C. PIACENTINI, C.S. TIBOLA, K. SANTOS, G. SOUSA MARIA & V.M. SCUSSEL (Brazil)
- 237 High hydrostatic pressure assisted degradation of patulin in fruit and vegetable juice blends  
H. HAO, T. ZHOU, T. KOUTCHMA, F. WU & K. WARRINER (Canada)
- 243 Differentiation of Spanish paprika from Protected Designation of Origin based on color measurements and pattern recognition  
A. PALACIOS-MORILLO, J.M. JURADO, A. ALCÁZAR & F. PABLOS (Spain)
- 250 Aflatoxin M<sub>1</sub> in milk and traditional dairy products from west part of Iran: Occurrence and seasonal variation with an emphasis on risk assessment of human exposure  
R. BAHRAMI, Y. SHAHBAZI & Z. NIKOUSEFAT (Islamic Republic of Iran)
- 257 Effect of tea tree oil on *Staphylococcus aureus* growth and enterotoxin production  
C. SHI, X. ZHAO, H. YAN, R. MENG, Y. ZHANG, W. LI, Z. LIU & N. GUO (PR China)
- 264 Microbial decontamination of wheat grain with superheated steam  
Y. HU, W. NIE, X. HU & Z. LI (China)
- 270 Prevalence and antimicrobial resistance of *Salmonella* isolated from an integrated broiler chicken supply chain in Qingdao, China  
M. CUI, M. XIE, Z. QU, S. ZHAO, J. WANG, Y. WANG, T. HE, H. WANG, Z. ZUO & C. WU (China)
- 277 Misdescription incidents in seafood sector  
M.Á. PARDO, E. JIMÉNEZ & B. PÉREZ-VILLARREAL (Spain)

- 284 Assessment of dietary cadmium exposure: A cross-sectional study in rural areas of south China  
P. ZHU, X.-X. LIANG, P. WANG, J. WANG, Y.-H. GAO, S.-G. HU, Q. HUANG, R. HUANG, Q. JIANG, S.-X. WU, Z.-X. LI, H.-T. LING, YING-HUA XU (China), Y.-N. WU, F. ZOU & X.-F. YANG (China)
- 291 Worldwide occurrence of mycotoxins in rice  
F.S. FERRE (Spain)
- 299 The role of cooperatives in food safety management of fresh produce chains: Case studies in four strawberry cooperatives  
K. KIREZIEVA, J. BIJMAN (Netherlands), L. JACXSENS (Belgium) & P.A. LUNING (Netherlands)
- 309 Antibacterial mechanism of bifidocin A, a novel broad-spectrum bacteriocin produced by *Bifidobacterium animalis* BB04  
G. LIU, Z. SONG, X. YANG, Y. GAO, C. WANG & B. SUN (PR China)
- 317 Gaseous allyl isothiocyanate to inhibit the production of aflatoxins, beauvericin and enniatins by *Aspergillus parasiticus* and *Fusarium poae* in wheat flour  
T.M. NAZARETH, K. BORDIN (Brazil), L. MANYES, G. MECA, J. MAÑES (Spain) & F.B. LUCIANO (Brazil)
- 322 Simultaneous analysis of twenty-six mycotoxins in durum wheat grain from Italy  
C. JUAN (Spain), L. COVARELLI, G. BECCARI, V. COLASANTE (Italy) & J. MAÑES (Spain)
- 330 Release of phenolic compounds from cork stoppers and its effect on protein-haze  
M. GABRIELLI, D. FRACASSETTI & A. TIRELLI (Italy)
- 337 Towards automated sorting of Atlantic cod (*Gadus morhua*) roe, milt, and liver – Spectral characterization and classification using visible and near-infrared hyperspectral imaging  
L.A. PALUCHOWSKI, E. MISIMI, L. GRIMSMO & L.L. RANDEBERG (Norway)
- 346 Microbiological contamination and evaluation of sanitary conditions of hot dog street vendors in Southern Brazil  
C.I. KOTHE, C.H. SCHILD, E.C. TONDO & P. DA SILVA MALHEIROS (Brazil)
- 351 Evaluation of biogenic amines in wine: Determination by an improved HPLC-PDA method  
A.C. MANETTA, L. DI GIUSEPPE, R. TOFALO, M. MARTUSCELLI, M. SCHIRONE, M. GIAMMARCO & G. SUZZI (Italy)
- 357 A rapid loop-mediated isothermal amplification method for detection of the modified GM *cry1A* gene in transgenic insect-resistant cotton and rice  
P. SHEN, F. GENG, Y. YU, Y. ZHANG, Z. WANG, Z. LI, W. ZHANG, C. SHU, Y. ZHANG & J. TAN (PR China)
- 365 High pressure processing pretreatment enhanced the thermosonication inactivation of *Alicyclobacillus acidoterrestris* spores in orange juice  
EVELYN (New Zealand, Indonesia) & F.V.M. SILVA (New Zealand)
- 373 Detection of adulterations with different grains in wheat products based on the hyperspectral image technique: The specific cases of flour and bread  
S. VERDÚ (Spain), F. VÁSQUEZ (Mexico), R. GRAU, E. IVORRA, A.J. SÁNCHEZ & J.M. BARAT (Spain)
- 381 Importance of cohorts in analyzing trends in safe at-home food-handling practices  
M.F. TEISL, A.M. LANDO, A.S. LEVY & C.L. NOBLET (USA)
- 390 Inactivation of Shiga toxin-producing and nonpathogenic *Escherichia coli* in non-intact steaks cooked in a radio frequency oven  
A.M. RINCON & R.K. SINGH (USA)
- 397 Biodiversity, dynamics and antimicrobial activity of lactic acid bacteria involved in the fermentation of maize flour for *doklu* production in Côte d'Ivoire  
N.M.C. ASSOHOUN-DJENI (Cote d'Ivoire, France), N.T. DJENI (Cote d'Ivoire), S. MESSAOUDI, E. LHOMME (France), M. KOUSSEMON-CAMARA, T. OUASSA (Cote d'Ivoire), J.-M. CHOBERT, B. ONNO & X. DOUSSET (France)
- 405 Corrigendum to "Efficacy of acidic and alkaline electrolyzed water for inactivating *Escherichia coli* O104:H4, *Listeria monocytogenes*, *Campylobacter jejuni*, *Aeromonas hydrophila*, and *Vibrio parahaemolyticus* in cell suspensions" [Food Control 53 (July 2015) 117–123]  
M. OVISSIPOUR (USA), H.M. AL-QADIRI (Jordan), S.S. SABLANI, B.N. GOVINDAN (USA), N. AL-ALAMI (Jordan) & B. RASCO (USA)
- 406 Corrigendum to "Synthesis, characterization and comparative study of nano-Ag–TiO<sub>2</sub> against gram-positive and gram-negative bacteria under fluorescent light" Food Control 46C (2014) 480–487  
N.H.A. BARUDIN, S. SREEKANTAN, M.T. ONG & C.W. LAI (Malaysia)