

FOOD CONTROL

CONTENTS

Volume 73 Part A March 2017

(Published 20 November 2016)

SPECIAL ISSUE: Special issues from the '29th EFFoST International Conference'

GUEST EDITORS: Petros Taoukis and George John Nychas

- 1 Editorial to the FOOD CONTROL Special Issue on the 29th EFFoST International Conference
P. TAOUKIS & G.J. NYCHAS
- 2 Milk powder risk assessment with *staphylococcus aureus* toxigenic strains
K. BOGDANOVIČOVÁ, L. NECIDOVÁ, D. HARUŠTIAKOVÁ & B. JANŠTOVÁ (Czech Republic)
- 8 Modeling of the microbial inactivation by high hydrostatic pressure freezing
P. MARESCA & G. FERRARI (Italy)
- 18 Inactivation kinetics of *Alicyclobacillus acidoterrestris* in apple juice submitted to ultraviolet radiation
A. TREMARIN, T.R.S. BRANDÃO & C.L.M. SILVA (Portugal)
- 24 Treatment with high hydrostatic pressure and supercritical carbon dioxide to control *Alicyclobacillus acidoterrestris* spores in apple juice
I. POREBSKA, B. SOKOŁOWSKA, S. SKĄPSKA & S.J. RZOSKA (Poland)
- 31 Effect of tagatose on growth dynamics of *Salmonella* Typhimurium and *Listeria monocytogenes* in media with different levels of structural complexity and in UHT skimmed milk
M.M. LOBETE, E. NORIEGA, M.A. BATALHA, S. DE BEURME, I. VAN DE VOORDE & J.F. VAN IMPE (Belgium)
- 43 Dynamics of *Listeria monocytogenes* at suboptimal temperatures in/on fish-protein based model systems: Effect of (micro)structure and microbial distribution
M. BAKA, S. VERCRUYSEN, N. CORNETTE & J.F. VAN IMPE (Belgium)
- 51 Developing suitable smart TTI labels to match specific monitoring requirements: The case of *Vibrio* spp. growth during transportation of oysters
T. TSIRONI (Greece), P. RONNOW (Sweden), M. GIANNOGLOU & P. TAOUKIS (Greece)
- 57 Multispectral imaging (MSI): A promising method for the detection of minced beef adulteration with horsemeat
A.I. ROPODI, E.Z. PANAGOUE & G.-J.E. NYCHAS (Greece)
- 64 Development of a cellular biosensor for the detection of aflatoxin B₁, based on the interaction of membrane engineered Vero cells with anti-AFB₁ antibodies on the surface of gold nanoparticle screen printed electrodes
S. MAVRIKOU, E. FLAMPOURI, D. ICONOMOU & S. KINTZIOS (Greece)
- 71 *In vitro* evaluation of essential oils against *Aspergillus carbonarius* isolates and their effects on Ochratoxin A related gene expression in synthetic grape medium
I.K. LAPPAS, E. SIMINI, G.-J.E. NYCHAS & E.Z. PANAGOUE (Greece)
- 81 Raw donkey milk as a source of *Enterococcus* diversity: Assessment of their technological properties and safety characteristics
M. ASPRI, D. BOZOUDI, D. TSALTAS (Cyprus), C. HILL (Ireland) & P. PAPADEMOS (Cyprus)
- 91 Evaluation of polyurethane foam materials as air filters against fungal contamination
M. BRIFFA, S. DECELIS, J.-P. BRINCAT, J.N. GRIMA, R. GATT & V. VALDRAMIDIS (Malta)

(Contents continued on BM II)

(Contents continued from outside back cover)

- 101 Technological and community-based methods to reduce mycotoxin exposure
J.F. ALBERTS, M. LILLY, J.P. RHEEDER, H.-M. BURGER, G.S. SHEPHARD & W.C.A. GELDERBLOM (South Africa)
- 110 Predicting lactulose concentration in heat-treated reconstituted skim milk powder using front-face fluorescence
N. AYALA, A. ZAMORA (Spain), C. GONZÁLEZ (Spain, Ecuador), J. SALDO & M. CASTILLO (Spain)
- 117 Impact of spiking techniques on the survival of *Staphylococcus aureus* in artificially contaminated condiments
M. DINH THANH, H. FRENTZEL, A. FETSCH, B. APPEL & A. MADER (Germany)