

Research Papers

- Development of a high folate concentration yogurt naturally bio-enriched using selected lactic acid bacteria**
J.E. Laiño, M. Juárez del Valle, G. Savoy de Giori and J.G.J. LeBlanc 1
- Determination of diphenylamine residue in fruit samples using spectrofluorimetry and multivariate analysis**
A. Farokhcheh and N. Alizadeh 6
- Hardness of carioca beans (*Phaseolus vulgaris* L.) as affected by cooking methods**
B.S. Siqueira, R.P. Vianello, K.F. Fernandes and P.Z. Bassinello 13
- Physicochemical and sensory properties of fermented dairy beverages made with goat's milk, cow's milk and a mixture of the two milks**
J.J.L. Gomes, A.M. Duarte, A.S.M. Batista, R.M.F. de Figueiredo, E.P. de Sousa, E.L. de Souza and R.C.R.E. Queiroga 18
- Active biodegradable packaging for fresh pasta**
T.P. de Camargo Andrade-Molina, M.A. Shirai, M. Victória Eiras Grossmann and F. Yamashita 25
- Effect of freezing pretreatment on the quality of juice extracted from *Prunus mume* fruit by osmosis with sucrose**
H.-S. Chung, D.-S. Kim, H.-S. Kim, Y.-G. Lee and J.-H. Seong 30
- Determining the effect of UV-C, high intensity ultrasound and nonthermal atmospheric plasma treatments on reducing the allergenicity of α -casein and whey proteins**
C.V.R.K. Tammineedi, R. Choudhary, G.C. Perez-Alvarado and D.G. Watson 35
- Antimicrobial edible defatted soybean meal-based films incorporating the lactoperoxidase system**
H. Lee and S.C. Min 42
- Probiotic strains *Lactobacillus plantarum* 299V and *Lactobacillus rhamnosus* GG as starter cultures for fermented sausages**
R. Rubio, T. Aymerich, S. Bover-Cid, M.D. Guàrdia, J. Arnau and M. Garriga 51
- Biochemical characterization and thermal inactivation of polyphenol oxidase from radish (*Raphanus sativus* var. *sativus*)**
R. Goyeneche, K. Di Scala and S. Roura 57
- Effect of gamma irradiation on physicochemical properties of broad bean (*Vicia faba* L.) starch**
B.A. Sofi, I.A. Wani, F.A. Masoodi, I. Saba and S. Muzaffar 63
- Evaluation of whole chia (*Salvia hispanica* L.) flour and hydrogenated vegetable fat in pound cake**
P. Luna Pizarro, E.L. Almeida, N.C. Sammán and Y.K. Chang 73
- Impact of yacon landraces cultivated in the Czech Republic and their ploidy on the short- and long-chain fructooligosaccharides content in tuberous roots**
E.C. Fernández, A. Rajchl, J. Lachman, H. Čížková, F. Kvasnička, Z. Kotíková, L. Milella and M. Voldřich 80

Compositional properties and bioactive potential of waste material from shrimp cooking juice <i>E. Pérez-Santín, M.M. Calvo, M.E. López-Caballero, P. Montero and M.C. Gómez-Guillén</i>	87
Effect of sprouting on rheological properties of soy-butter <i>D. Agrahar-Murugkar, N. Kotwaliwale, M. Kumar and C. Gupta</i>	95
Chitosan-based carbon dioxide indicator to communicate the onset of kimchi ripening <i>J. Jung, K. Lee, P. Puligundla and S. Ko</i>	101
Application of tea tree and clove essential oil on late development stages of Butterhead lettuce: Impact on microbiological quality <i>M.G. Goñi, B. Tomadoni, M.R. Moreira and S.I. Roura</i>	107
Phenolic extract obtained from steam-treated olive oil waste: Characterization and antioxidant activity <i>F. Rubio-Senent, G. Rodríguez-Gutiérrez, A. Lama-Muñoz and J. Fernández-Bolaños</i>	114
Acerola nectar with added microencapsulated probiotic <i>A.E.C. Antunes, A.M. Liserre, A.L.A. Coelho, C.R. Menezes, I. Moreno, K. Yotsuyanagi and N.C. Azambuja</i>	125
Microstructure, texture and colour of gluten-free pasta made with amaranth flour, cassava starch and cassava bagasse <i>F.A. Fiorda, M.S. Soares Jr., F.A. da Silva, M.V.E. Grossmann and L.R.F. Souto</i>	132
Phenolic profile, antioxidant, anti-inflammatory and cytotoxic activities of small yellow onion (<i>Allium flavum</i> L. subsp. <i>flavum</i>, Alliaceae) <i>N. Simin, D. Orcic, D. Cetojevic-Simin, N. Mimica-Dukic, G. Anackov, I. Beara, D. Mitic-Culafic and B. Bozin</i>	139
Encapsulation of <i>Lactobacillus bulgaricus</i> in carrageenan-locust bean gum coated milk microspheres with double layer structure <i>L.-E. Shi, Z.-H. Li, Z.-L. Zhang, T.-T. Zhang, W.-M. Yu, M.-L. Zhou and Z.-X. Tang</i>	147
Thermal inactivation and variability of γ-glutamyltransferase and α-L-fucosidase enzymatic activity in sheep milk <i>C. Piga, P.P. Urgeghe, G. Piredda, M.F. Scintu, R. Di Salvo and G. Sanna</i>	152
Quality evaluation of packaged acidified vegetables subjected to continuous microwave pasteurization <i>C.B. Koskiniemi, V.-D. Truong, R.F. McFeeters and J. Simunovic</i>	157
The effect of culinary preparation on carbohydrate composition, texture and sensory quality of Jerusalem artichoke tubers (<i>Helianthus tuberosus</i> L.) <i>V. Bach, S. Jensen, U. Kidmose, J.N. Sørensen and M. Edelenbos</i>	165
Chemical composition and antioxidative and anti-inflammatory properties of ten commercial mung bean samples <i>X. Zhang, P. Shang, F. Qin, Q. Zhou, B. Gao, H. Huang, H. Yang, H. Shi and L. (Lucy) Yu</i>	171
Production of human fat milk analogue containing α-linolenic acid by solvent-free enzymatic interesterification <i>H. Ilyasoglu</i>	179
Enhancing the digestibility of cowpea (<i>Vigna unguiculata</i>) by traditional processing and fermentation <i>Y.E. Madodé, M.J.R. Nout, E.-J. Bakker, A.R. Linnemann, D.J. Hounhouigan and M.A.J.S. van Boekel</i>	186
Inactivation kinetics of <i>Bacillus coagulans</i> spores under ohmic and conventional heating <i>R. Somavat, H.M.H. Mohamed and S.K. Sastry</i>	194
Influence of flour particle size on quality of gluten-free rice bread <i>E.l. Hera, M. Martinez and M. Gómez</i>	199
Impact of alkaline or acid digestion to antioxidant activity, phenolic content and composition of rice hull extracts <i>N. Nenadis, A. Kyriakoudi and M.Z. Tsimidou</i>	207
Evolution of antioxidant enzymes activity and volatile release during storage of processed broccoli (<i>Brassica oleracea</i> L. <i>italica</i>) <i>S. Raseetha, I. Oey, D.J. Burritt, S. Heenan and N. Hamid</i>	216
Effect of amylose content on structure, texture and α-amylase reactivity of cooked rice <i>S. Lu, T.-T. Cik, C.-y. Lii, P. Lai and H.-H. Chen</i>	224
Cooking behavior of rice pasta: Effect of thermal treatments and extrusion conditions <i>A. Marti, R. Caramanico, G. Bottega and M.A. Pagani</i>	229

Influence of pH, EDTA, α-tocopherol, and WPI oxidation on the degradation of β-carotene in WPI-stabilized oil-in-water emulsions	
<i>D. Xu, X. Wang, J. Jiang, F. Yuan, E.A. Decker and Y. Gao</i>	236
Detection of cold chain abuse in frozen and chilled salmon using the comet assay	
<i>J. Le Grandois, M. Ruas, P. Kalisa, M. Jolissaint, E. Marchioni, D. Aoudé-Werner, B. Le Fur and S. Ennahar</i>	242
Nutrient composition of selected newly bred and established mung bean varieties	
<i>P.K. Dahiya, A.R. Linnemann, M.J.R. Nout, M.A.J.S. van Boekel and R.B. Grewal</i>	249
Extraction of phenolic compounds from bilberry (<i>Vaccinium myrtillus</i> L.) press residue: Effects on phenolic composition and cell proliferation	
<i>K. Aaby, S. Grimmer and L. Holtung</i>	257
Inhibitory effect of phenolic compounds from grape seeds (<i>Vitis vinifera</i> L.) on the activity of angiotensin I converting enzyme	
<i>J. Afonso, C.P. Passos, M.A. Coimbra, C.M. Silva and P. Soares-da-Silva</i>	265
Comparison of different methods for the determination of assimilable nitrogen in grape musts	
<i>E. Casalta, J.-M. Sablayrolles and J.-M. Salmon</i>	271
Effect of hydrostatic high pressure processing on nectarine halves pretreated with ascorbic acid and calcium during refrigerated storage	
<i>C. Miguel-Pintado, S. Nogales, A.M. Fernández-León, J. Delgado-Adámez, T. Hernández, M. Lozano, F. Cañada-Cañada and R. Ramírez</i>	278
Effect of oxygen concentration and temperature on the viability of small-sized mussels in hermetic packages	
<i>M. Bernárdez and L. Pastoriza</i>	285
A comparison of kiwi fruit from conventional, integrated and organic production systems	
<i>M. Nunes-Damaceno, N. Muñoz-Ferreiro, M.A. Romero-Rodríguez and M.L. Vázquez-Odériz</i>	291
Research Notes	
Influence of nalidixic acid adaptation on sensitivity of various Shiga toxin-producing <i>Escherichia coli</i> to EO water treatment	
<i>R. Jadeja and Y.-C. Hung</i>	298
Effect of controlled atmosphere storage on pomegranate quality investigated by two dimensional NMR correlation spectroscopy	
<i>L. Zhang and M.J. McCarthy</i>	302
Calendar	V