

## Review Article

- Betalains: Natural plant pigments with potential application in functional foods**  
*A. Gengatharan, G.A. Dykes and W.S. Choo* 645

## Research Papers

- Reduction of aflatoxin B<sub>1</sub> in peanut meal by extrusion cooking**  
*H. Zheng, S. Wei, Y. Xu and M. Fan* 515
- Effect of modified atmosphere on phytochemical profile of pasteurized peach purées**  
*A. Oliveira, M. Coelho, E.M.C. Alexandre, M.H. Gomes, D.P.F. Almeida and M. Pintado* 520
- Evaluation of volatile profile of Sichuan dongcai, a traditional salted vegetable, by SPME–GC–MS and E-nose**  
*Y. Yao, S. Pan, G. Fan, L. Dong, J. Ren and Y. Zhu* 528
- Evaluation of the viscosity profile obtained for dispersions containing different proportions of milk protein concentrate / whey protein concentrate during simulated conditions of thermal processing**  
*A.B.d. Souza, L.C.G. Costa Jr., R. Stephani, M.A.L.d. Oliveira, Í.T. Perrone and R.G.B. Costa* 536
- LLDPE based food packaging incorporated with nanoclays grafted with bioactive compounds to extend shelf life of some meat products**  
*F. Tornuk, M. Hancer, O. Sagdic and H. Yetim* 540
- Antimicrobial and antioxidant activity of selected Polish herb honeys**  
*M. Lukaszewicz, S. Kowalski and M. Makarewicz* 547
- Improving the antimicrobial efficacy of organic acids against *Salmonella enterica* attached to chicken skin using SDS with acceptable sensory quality**  
*H.M.B.A. Zaki, H.M.H. Mohamed and A.M.A. El-Sherif* 558
- Furan formation as a function of pressure, temperature and time conditions in spinach purée**  
*S. Palmers, T. Grauwet, M. Celus, B.T. Kebede, M.E. Hendrickx and A. Van Loey* 565
- Spray drying-microencapsulation of cinnamon infusions (*Cinnamomum zeylanicum*) with maltodextrin**  
*R. Santiago-Adame, L. Medina-Torres, J.A. Gallegos-Infante, F. Calderas, R.F. González-Laredo, N.E. Rocha-Guzmán, L.A. Ochoa-Martínez and M.J. Bernad-Bernad* 571
- Differences in transcription and expression of staphylococcal enterotoxin C in processed meat products**  
*B. Alibayov, L. Karamonova, R. Hollerova, K. Zdenkova and K. Demnerova* 578
- Identification of the bacteriocin produced by cheese isolate *Lactobacillus paraplantarum* FT259 and its potential influence on *Listeria monocytogenes* biofilm formation**  
*L.K. Winkelströter, F.L. Tulini and E.C.P. De Martinis* 586
- Preparation of potent antioxidant peptide from edible part of shortclub cuttlefish against radical mediated lipid and DNA damage**  
*S. Sudhakar and R.A. Nazeer* 593
- Using near infrared spectroscopy to predict the physical traits of *Bos grunniens* meat**  
*L. Zhang, B. Sun, P. Xie, H. Li, H. Su, K. Sha, C. Huang, Y. Lei, X. Liu and H. Wang* 602
- Investigation on solubility, interfacial and emulsifying properties of pumpkin (*Cucurbita pepo*) seed protein isolate**  
*S. Bučko, J. Katona, L. Popović, Ž. Vaštag, L. Petrović and M. Vučinić-Vasić* 609

<b>Combination of ultrasound and antimicrobial compounds towards <i>Pichia</i> spp. and <i>Wickerhamomyces anomalus</i> in pineapple juice</b>	
<i>A. Bevilacqua, D. Campaniello, M. Sinigaglia and M.R. Corbo</i>	616
<b>Evaluation of chemical profile and antioxidant activity of twenty cultivars from <i>Capsicum annum</i>, <i>Capsicum baccatum</i>, <i>Capsicum chacoense</i> and <i>Capsicum chinense</i>: A comparison between fresh and processed peppers</b>	
<i>M.R. Loizzo, A. Pugliese, M. Bonesi, F. Menichini and R. Tundis</i>	623
<b>Neural modelling in adsorption column of cholesterol-removal efficiency from milk</b>	
<i>G.R. Oliveira, A.V. Santos, A.S. Lima, C.M.F. Soares and M.S. Leite</i>	632
<b>Chemical composition and <i>in vitro</i> starch digestibility of green banana (cv. Giant Cavendish) flour and its derived autoclaved/debranched powder</b>	
<i>H.-J. Liao and C.-C. Hung</i>	639
<b>Carob seed peel as natural antioxidant in minced and refrigerated (4 °C) Atlantic horse mackerel (<i>Trachurus trachurus</i>)</b>	
<i>I. Albertos, I. Jaime, A.M. Diez, L. González-Arnáiz and D. Rico</i>	650
<b>Quality characteristics of <i>sous vide</i> ready to eat seabream processed by high pressure</b>	
<i>M.C. Espinosa, P. Díaz, M.B. Linares, M.R. Teruel and M.D. Garrido</i>	657
<b>Determination of trace nitrite in pickled food with a nano-composite electrode by electrodepositing ZnO and Pt nanoparticles on MWCNTs substrate</b>	
<i>M.-L. Zhang, D.-K. Huang, Z. Cao, Y.-Q. Liu, J.-L. He, J.-F. Xiong, Z.-M. Feng and Y.-L. Yin</i>	663
<b>Evaluation of a single strain starter culture, a selected inoculum enrichment, and natural microflora in the processing of <i>Tonda di Cagliari</i> natural table olives: Impact on chemical, microbiological, sensory and texture quality</b>	
<i>M. Campus, P. Sedda, E. Cauli, F. Piras, R. Comunian, A. Paba, E. Daga, S. Schirru, A. Angioni, R. Zurru and G. Bandino</i>	671
<b>Gluten-free fresh filled pasta: The effects of xanthan and guar gum on changes in quality parameters after pasteurisation and during storage</b>	
<i>A.M. Sanguinetti, N. Secchi, A. Del Caro, C. Fadda, P.A.M. Fenu, P. Catzeddu and A. Piga</i>	678
<b>Postharvest UV-C treatment increases bioactive, ester volatile compounds and a putative allergenic protein in strawberry</b>	
<i>J. Severo, I.R. de Oliveira, A. Tiecher, F.C. Chaves and C.V. Rombaldi</i>	685
<b>Assessing release kinetics and dissolution of spray-dried Roselle (<i>Hibiscus sabdariffa</i> L.) extract encapsulated with different carrier agents</b>	
<i>D. Díaz-Bandera, A. Villanueva-Carvajal, O. Dublán-García, B. Quintero-Salazar and A. Dominguez-Lopez</i>	693
<b>Effect of temperature and pH value on the UV-C sensitivity of <i>Escherichia coli</i> and <i>Lactobacillus plantarum</i></b>	
<i>A. Müller, V.L. Pietsch, J.S. Schneele, M.R. Stahl, R. Greiner and C. Posten</i>	699
<b>The improved thermal stability of anthocyanins at pH 5.0 by gum arabic</b>	
<i>Y. Guan and Q. Zhong</i>	706
<b>Effect of acid whey on nitrosylmyoglobin concentration in uncured fermented sausage</b>	
<i>K.M. Wójciak and Z.J. Dolatowski</i>	713
<b>Aqueous extracts and suspensions of restructured pork formulated with <i>Undaria pinnatifida</i>, <i>Himanthalia elongata</i> and <i>Porphyra umbilicalis</i> distinctly affect the <i>in vitro</i> <math>\alpha</math>-glucosidase activity and glucose diffusion</b>	
<i>A. Garcimartín, J. Benedí, S. Bastida and F.J. Sánchez-Muniz</i>	720
<b>Development of a synbiotic product for newborns and infants</b>	
<i>G. Mazzola, I. Aloisio, B. Biavati and D. Di Gioia</i>	727
<b>Are folates, carotenoids and vitamin C affected by cooking? Four domestic procedures are compared on a large diversity of frozen vegetables</b>	
<i>S. Bureau, S. Mouhoubi, L. Touloumet, C. Garcia, F. Moreau, V. Bédouet and C.M.G.C. Renard</i>	735
<b>Optimization of antioxidants and tyrosinase inhibitory activity in mango peels using response surface methodology</b>	
<i>S. Sai-Ut, S. Benjakul, S. Kraithong and S. Rawdkuen</i>	742

<b>Electrohydrodynamic drying (EHD) of wheat and its effect on wheat protein conformation</b> <i>A. Singh, S.K. Vanga, G.R. Nair, Y. Garipey, V. Orsat and V. Raghavan</i>	750
<b>Drying kinetics and quality attributes of jujube (<i>Zizyphus jujuba</i> Miller) slices dried by hot-air and short- and medium-wave infrared radiation</b> <i>Q. Chen, J. Bi, X. Wu, J. Yi, L. Zhou and Y. Zhou</i>	759
<b>Minimizing molecular weight reduction of <math>\beta</math>-glucan during barley bread making</b> <i>A. Rieder, S. Ballance, A. Løvaas and S.H. Knutsen</i>	767
<b>Kinetics of “Laba” garlic greening and its physiochemical properties treated by Dense Phase Carbon Dioxide</b> <i>D. Tao, B. Zhou, L. Zhang, X. Hu, X. Liao and Y. Zhang</i>	775
<b>Migration of engineered nanoparticles from packaging into food products</b> <i>A.M. Metak, F. Nabhani and S.N. Connolly</i>	781
<b>Screening of microorganisms for bioconversion of (+)-valencene to (+)-nootkatone</b> <i>D.M. Palmerín-Carreño, O.M. Rutiaga-Quiñones, J.R. Verde Calvo, A. Prado-Barragán and S. Huerta-Ochoa</i>	788
<b>Synergistic antimicrobial action and potential application for fish preservation of a bacteriocin produced by <i>Enterococcus mundtii</i> isolated from <i>Odontesthes platensis</i></b> <i>L.I. Schelegueda, M. Vallejo, M.F. Gliemmo, E.R. Marguet and C.A. Campos</i>	794
<b>Chlorogenic acid retention in white and purple eggplant after processing and cooking</b> <i>M.J. Zaro, L.C. Ortiz, S. Keunchkarian, A.R. Chaves, A.R. Vicente and A. Concellón</i>	802
<b>Recombinant GH-26 endo-mannanase from <i>Bacillus</i> sp. CFR1601: Biochemical characterization and application in preparation of partially hydrolysed guar gum</b> <i>P.K. Srivastava and M. Kapoor</i>	809
<b>Interactions between lipophilic antioxidants measured by photochemiluminescence assay and <math>\alpha</math>-tocopherol equivalent antioxidant capacity assay as well as the influence of matrix compounds on the lipophilic antioxidant capacity</b> <i>J. Karmowski, K. Enke, M. Killenberg and V. Böhm</i>	817
<b>Effect of different types of encapsulation on the survival of <i>Lactobacillus plantarum</i> during storage with inulin and <i>in vitro</i> digestion</b> <i>E. Valero-Cases and M.J. Frutos</i>	824
<b>Physicochemical properties and <i>in vitro</i> digestibility of starches from field peas grown in China</b> <i>C. Liu, S. Wang, L. Copeland and S. Wang</i>	829
<b>Effect of Pulsed Light treatment on the functional properties of casein films</b> <i>M. Wihodo and C.I. Moraru</i>	837
<b>Juices from non-typical edible fruits as health-promoting acidity regulators for food industry</b> <i>I. Koss-Mikołajczyk, B. Kusznierevicz, J. Namieśnik and A. Bartoszek</i>	845
<b>Effect of refining process on antioxidant capacity, total phenolics and prooxidants contents in rapeseed oils</b> <i>A. Szydłowska-Czeriak and A. Łaszewska</i>	853
<b>Comparison of pH effects on ohmic heating and conventional heating for inactivation of <i>Escherichia coli</i> O157:H7, <i>Salmonella enterica</i> Serovar Typhimurium and <i>Listeria monocytogenes</i> in orange juice</b> <i>S.-S. Kim and D.-H. Kang</i>	860
<b>Effect of a combination of enzymes on dough rheology and physical and sensory properties of bread enriched with resistant starch</b> <i>L. Altuna, P.D. Ribotta and C.C. Tadini</i>	867
<b>A lipase based approach to understand the role of wheat endogenous lipids in bread crumb firmness evolution during storage</b> <i>L.R. Gerits, B. Pareyt, H.G. Masure and J.A. Delcour</i>	874
<b>Hydrolyzates from <i>Pyropia columbina</i> seaweed have antiplatelet aggregation, antioxidant and ACE I inhibitory peptides which maintain bioactivity after simulated gastrointestinal digestion</b> <i>R.E. Cian, A.G. Garzón, D.B. Ancona, L.C. Guerrero and S.R. Drago</i>	881
<b>Preparation and characterization of crystalline complexes between amylose and C18 fatty acids</b> <i>T.-R. Seo, J.-Y. Kim and S.-T. Lim</i>	889
<b>Effect of carboxymethyl cellulose-based coatings incorporated with <i>Zataria multiflora</i> Boiss. essential oil and grape seed extract on the shelf life of rainbow trout fillets</b> <i>M. Raeisi, H. Tajik, J. Aliakbarlu, S.H. Mirhosseini and S.M.H. Hosseini</i>	898
<b>Prevalence, antimicrobial resistance and genetic diversity of <i>Listeria monocytogenes</i> isolated from chilled pork in Nanjing, China</b> <i>K. Wang, K. Ye, Y. Zhu, Y. Huang, G. Wang, H. Wang and G. Zhou</i>	905

<b>Effect of perforation-mediated modified atmosphere packaging and storage duration on physicochemical properties and microbial quality of fresh minimally processed 'Acco' pomegranate arils</b> <i>Z. Hussein, O.J. Caleb, K. Jacobs, M. Manley and U.L. Opara</i>	911
<b>Continuous injection of water and antioxidants possible roles on oil quality during frying</b> <i>I. Peri and I.S. Saguy</i>	919
<b>Chemical composition and protein quality of mortadella formulated with carbon monoxide-treated porcine blood</b> <i>P.R. Fontes, L.A.M. Gomide, N.M.B. Costa, L.A. Peternelli, E.A.F. Fontes and E.M. Ramos</i>	926
<b>Effect of high pressure homogenization (microfluidization) on the quality of Ottoman Strawberry (<i>F. Ananassa</i>) juice</b> <i>C.H. Karacam, S. Sahin and M.H. Oztop</i>	932
<b>Synergy of olive bioactive phytochemicals and probiotic strain in control of <i>Escherichia coli</i></b> <i>C.M. Peres, A. Hernandez-Mendonza, M.R. Bronze, C. Peres and F.X. Malcata</i>	938
<b>Response surface methodology analysis of rice starch and fructo-oligosaccharides as substitutes for phosphate and dextrose in whole muscle cooked hams</b> <i>V.C. Resconi, D.F. Keenan, S. Gough, L. Doran, P. Allen, J.P. Kerry and R.M. Hamill</i>	946
<b>Evaluation of puffing quality of Australian desi chickpeas by different physical attributes</b> <i>S. Paul Mukhopadhyay, J.A. Wood, A.J. Saliba, C.L. Blanchard, B.T. Carr and P.D. Prenzler</i>	959
<b>Influence of partial replacement of NaCl by KCl, L-histidine and L-lysine on the lipase activity and lipid oxidation in dry-cured loin process</b> <i>Y.W. Zhang, L. Zhang, T. Hui, X.Y. Guo and Z.Q. Peng</i>	966
<b>The effect of apple cider characteristics and membrane pore size on membrane fouling</b> <i>D. Zhao, E. Lau, S. Huang and C.I. Moraru</i>	974
<b>Bio-based PLA-PHB plasticized blend films: Processing and structural characterization</b> <i>I. Armentano, E. Fortunati, N. Burgos, F. Dominici, F. Luzi, S. Fiori, A. Jiménez, K. Yoon, J. Ahn, S. Kang and J.M. Kenny</i>	980
<b>Physicochemical properties and thermal behaviour of African wild mango (<i>Irvingia gabonensis</i>) seed fat</b> <i>J. Yamoneka, P. Malumba, C. Blecker, M. Gindo, G. Richard, M.-L. Fauconnier, G. Lognay and S. Danthine</i>	989
<b>The phytoprostane content in green table olives is influenced by Spanish-style processing and regulated deficit irrigation</b> <i>J. Collado-González, A. Moriana, I.F. Girón, M. Corell, S. Medina, T. Durand, A. Guy, J.-M. Galano, E. Valero, T. Garrigues, F. Ferreres, F. Moreno, A. Torrecillas and A. Gil-Izquierdo</i>	997
<b>Influence of microencapsulation with sweet whey and prebiotics on the survival of <i>Bifidobacterium</i>-BB-12 under simulated gastrointestinal conditions and heat treatments</b> <i>S.S. Pinto, S. Verruck, C.R.W. Vieira, E.S. Prudêncio, E.R. Amante and R.D.M.C. Amboni</i>	1004
<b>Pectic principles of mango peel from mango processing waste as influenced by microwave energy</b> <i>S.G. Pandit, P. Vijayanand and S.G. Kulkarni</i>	1010
<b>Migration of monomers and plasticizers from packed foods and heated microwave foods using QuEChERS sample preparation and gas chromatography/mass spectrometry</b> <i>E. Fasano, T. Cirillo, F. Esposito and S. Lacorte</i>	1015
<b>Total flavonoids content, antioxidant and antimicrobial activities of extracts from <i>Mosla chinensis</i> Maxim. cv. Jiangxiangru</b> <i>J.-E. Li, S.-T. Fan, Z.-H. Qiu, C. Li and S.-P. Nie</i>	1022
<b>Microbiological, functional and rheological properties of low fat yogurt supplemented with <i>Pleurotus ostreatus</i> aqueous extract</b> <i>A.C. Pelaes Vital, P.A. Goto, L.N. Hanai, S.M. Gomes-da-Costa, B.A. de Abreu Filho, C.V. Nakamura and P.T. Matumoto-Pintro</i>	1028
<b>Multifunctional effect of probiotic <i>Lactococcus lactis</i> KC24 isolated from kimchi</b> <i>N.-K. Lee, K.J. Han, S.-H. Son, S.J. Eom, S.-K. Lee and H.-D. Paik</i>	1036
<b>Preparation and characterization of edible myofibrillar protein-based film incorporated with grape seed procyanidins and green tea polyphenol</b> <i>X. Nie, Y. Gong, N. Wang and X. Meng</i>	1042
<b>Physical and sensory characteristics of corn-based extruded snacks containing amaranth, quinoa and kañiwa flour</b> <i>J.M. Ramos Diaz, J.-P. Suuronen, K.C. Deegan, R. Serimaa, H. Tuorila and K. Jouppila</i>	1047
<b>Assessment of antibacterial and antioxidant properties of chitosan edible films incorporated with maqui berry (<i>Aristotelia chilensis</i>)</b> <i>E. Genskowsky, L.A. Puente, J.A. Pérez-Álvarez, J. Fernandez-Lopez, L.A. Muñoz and M. Viuda-Martos</i>	1057
<b>Formation, optical property and stability of orange oil nanoemulsions stabilized by <i>Quallija</i> saponins</b> <i>J. Zhang, L. Bing and G.A. Reineccius</i>	1063

<b>Efficacy of pectin and insoluble fiber extracted from soy hulls as a functional non-meat ingredient</b> <i>H.-W. Kim, Y.J. Lee and Y.H.B. Kim</i>	1071
<b>Antibiotic resistance, hemolysis and biogenic amine production assessments of <i>Leuconostoc</i> and <i>Weissella</i> isolates for kimchi starter development</b> <i>D.-W. Jeong and J.-H. Lee</i>	1078
<b>Thiols in brewed coffee: Assessment by fast derivatization and liquid chromatography–high resolution mass spectrometry</b> <i>B. Quintanilla-Casas, N. Dulsat-Serra, N. Cortés-Francisco, J. Caixach and S. Vichi</i>	1085
<b>Enzymatic synthesis, purification and <i>in vitro</i> antioxidant capacity of polyphenolic oxidation products from apple juice</b> <i>J.E. Wong-Paz, D.B. Muñoz-Márquez, C.N. Aguilar, H. Sotin and S. Guyot</i>	1091
<b>Effect of pulsed pressure-assisted brining on lipid oxidation and volatiles development in pork bacon during salting and drying-ripening</b> <i>G. Jin, L. He, C. Li, Y. Zhao, C. Chen, Y. Zhang, J. Zhang and M. Ma</i>	1099
<b>The effect of sodium chloride on microstructure, water migration, and texture of rice noodle</b> <i>Y. Sangpring, M. Fukuoka and S. Ratanasumawong</i>	1107
<b>Optimization of conventional and ultrasound assisted extraction of flavonoids from grapefruit (<i>Citrus paradisi</i> L.) solid wastes</b> <i>E.M. Garcia-Castello, A.D. Rodriguez-Lopez, L. Mayor, R. Ballesteros, C. Conidi and A. Cassano</i>	1114
<b>High CO<sub>2</sub>-modified atmosphere packaging for extension of shelf-life of chilled yellow-feather broiler meat: A special breed in Asia</b> <i>X. Zhang, H. Wang, N. Li, M. Li and X. Xu</i>	1123
<b>Preservation of fresh-cut apple quality attributes by pulsed light in combination with gellan gum-based prebiotic edible coatings</b> <i>M.R. Moreira, B. Tomadoni, O. Martín-Belloso and R. Soliva-Fortuny</i>	1130
<b>Identification and characteristics of aptamers against inactivated <i>Vibrio alginolyticus</i></b> <i>J. Zheng, X. Tang, R. Wu, Q. Yan, H. Tang, J. Luo, S. Niu, Y. Qu and L. Sun</i>	1138
<b>Effectiveness of banana additions for completion of stuck and sluggish fermentation of blueberry wine</b> <i>S.-H. Seo, C.-S. Na, D.-H. Youn, S.-A. Yoo, S.-E. Park and H.-S. Son</i>	1143
<b>Screening the optimal ratio of symbiosis between isolated yeast and acetic acid bacteria strain from traditional kombucha for high-level production of glucuronic acid</b> <i>N.K. Nguyen, P.B. Nguyen, H.T. Nguyen and P.H. Le</i>	1149
<b>Yeasts in foods and beverages: In vitro characterisation of probiotic traits</b> <i>A.M. Gil-Rodríguez, A.V. Carrascosa and T. Requena</i>	1156
<b>Estimation of ascorbic acid reduction in heated simulated fruit juice systems using predictive model equations</b> <i>A.A. Gabriel, J.M.C.L. Usero, K.J. Rodriguez, A.R. Diaz and C.L.P. Tiangson-Bayaga</i>	1163
<b>Influence of storage time for the acceptability of bread formulated with lupine protein isolate and added brea gum</b> <i>E.P. López and M.C. Goldner</i>	1171
<b>Characterization of an exopolysaccharide with potential health-benefit properties from a probiotic <i>Lactobacillus plantarum</i> RJF<sub>4</sub></b> <i>S.V. Dilna, H. Surya, R.G. Aswathy, K.K. Varsha, D.N. Sakthikumar, A. Pandey and K.M. Nampoothiri</i>	1179
<b>Turmeric dye extraction residue for use in bioactive film production: Optimization of turmeric film plasticized with glycerol</b> <i>B.C. Maniglia, R.L. de Paula, J.R. Domingos and D.R. Tapia-Blácido</i>	1187
<b>Effect of operating conditions on the yield and quality of açai (<i>Euterpe oleracea</i> Mart.) powder produced in spouted bed</b> <i>R.G. Costa, K. Andreola, R. de Andrade Mattietto, L.J.G. de Faria and O.P. Taranto</i>	1196
<b>Antioxidant and antimicrobial activity of drumstick (<i>Moringa oleifera</i>) leaves in herbal chicken sausages</b> <i>B.C. Jayawardana, R. Liyanage, N. Lalantha, S. Iddamalgoda and P. Wethasinghe</i>	1204
<b>Chromatographic characterization of isoflavones in soy flour variety BRS 257, and recognition of their patterns by chemometrics</b> <i>D. Giaretta, V.A. de Lima, C.A.P. Schmidt and S.T. Carpes</i>	1209
<b>Production process and quality of two different dry-cured sheep hams from Western Balkan countries</b> <i>S. Stojković, V. Grabež, M. Bjelanović, S. Mandić, G. Vučić, A. Martinović, T.T. Håseth, A. Velemir and B. Egelanddal</i>	1217
<b>Physical and chemical characterization in fruit from 22 summer squash (<i>Cucurbita pepo</i> L.) cultivars</b> <i>D. Martínez-Valdivieso, P. Gómez, R. Font, Á. Alonso-Moraga and M. Del Río-Celestino</i>	1225

<b>Comparative study between Serrano and Iberian dry-cured hams in relation to the application of high hydrostatic pressure and temporal sensory perceptions</b> <i>L. Lorigo, M. Estévez, J. Ventanas and S. Ventanas</i>	1234
<b>Primary recovery of miraculin from miracle fruit, <i>Synsepalum dulcificum</i> by AOT reverse micellar system</b> <i>Z. He, J.S. Tan, S. Abbasiliasi, O.M. Lai, Y.J. Tam, M. Halim and A.B. Ariff</i>	1243
<b>Antibacterial activity of Tuscan <i>Artemisia annua</i> essential oil and its major components against some foodborne pathogens</b> <i>R. Donato, F. Santomauro, A.R. Bilia, G. Flamini and C. Sacco</i>	1251
<b>Use of non-<i>Saccharomyces</i> yeast strains coupled with ultrasound treatment as a novel technique to accelerate ageing on lees of red wines and its repercussion in sensorial parameters</b> <i>P. Kulkarni, I. Loira, A. Morata, W. Tesfaye, M.C. González and J.A. Suárez-Lepe</i>	1255
<b>Optimization of dynamic microwave-assisted extraction of <i>Armillaria</i> polysaccharides using RSM, and their biological activity</b> <i>C. Chen, Y. Shao, Y. Tao and H. Wen</i>	1263
<b>Succinylation of sodium caseinate and its effect on physicochemical and functional properties of protein</b> <i>B.G. Shilpashree, S. Arora, P. Chawla, R. Vakkalagadda and A. Sharma</i>	1270
<b>Solubility and thermodynamics of vanillin in Carbitol-water mixtures at different temperatures</b> <i>F. Shakeel, N. Haq, N.A. Siddiqui, F.K. Alanazi and I.A. Alsarra</i>	1278
<b>Evaluation of the effects of frozen storage on the microstructure of tilapia (<i>Perciformes: Cichlidae</i>) through fractal dimension method</b> <i>Q. He, L. Zhu, Y. Shen, X. Lin and K. Xiao</i>	1283
<b>Vacuum impregnation and air drying temperature effect on individual anthocyanins and antiradical capacity of blueberry juice included into an apple matrix</b> <i>J.M. Castagnini, N. Betoret, E. Betoret and P. Fito</i>	1289
<b>Phenolic carvacrol as a natural additive to improve the preservative effects of high pressure processing of low-sodium sliced vacuum-packed turkey breast ham</b> <i>T.L.C.d. Oliveira, B.R.d.C.L. Junior, A.L.S. Ramos, E.M. Ramos, R.H. Piccoli and M. Cristianini</i>	1297
<b>Influence of wheat flour subjected to different extrusion conditions on the rheological behaviour and thermal properties of batter systems for coating</b> <i>M.M. Martínez, T. Sanz and M. Gómez</i>	1309
<b>High yield ultrasonication extraction method for <i>Undaria pinnatifida</i> sporophyll and its anti-inflammatory properties associated with AP-1 pathway suppression</b> <i>K.-M. Song, S.J. Ha, J.-E. Lee, S.-H. Kim, Y.H. Kim, Y. Kim, S.P. Hong, S.K. Jung and N.H. Lee</i>	1315
<b>Effects of endpoint temperature and thickness on quality of whole muscle non-intact steaks cooked in a Radio Frequency oven</b> <i>A.M. Rincon, R.K. Singh and A.M. Stelzleni</i>	1323
<b>Investigation of trace element contents in edible oils sold in Turkey using microemulsion and emulsion procedures by graphite furnace atomic absorption spectrophotometry</b> <i>S. Gunduz and S. Akman</i>	1329
<b><i>In vitro</i> reduced availability of aflatoxin B<sub>1</sub> and acrylamide by bonding interactions with teichoic acids from lactobacillus strains</b> <i>J.C. Serrano-Niño, A. Cavazos-Garduño, F. Cantú-Cornelio, A.F. González-Córdova, B. Vallejo-Córdova, A. Hernández-Mendoza and H.S. García</i>	1334
<b>Production and characterization of aroma compounds from apple pomace by solid-state fermentation with selected yeasts</b> <i>R. Rodríguez Madrera, R. Pando Bedriñana and B. Suárez Valles</i>	1342
<b>Characterisation and evaluation of PLA films containing an extract of <i>Allium</i> spp. to be used in the packaging of ready-to-eat salads under controlled atmospheres</b> <i>M. Llana-Ruiz-Cabello, S. Pichardo, A. Baños, C. Núñez, J.M. Bermúdez, E. Guillamón, S. Aucejo and A.M. Cameán</i>	1354
<b>Preparation and characterization of <math>\beta</math>-cyclodextrin inclusion complexes as a tool of a controlled antimicrobial release in whey protein edible films</b> <i>C. Barba, A. Eguinoa and J.I. Maté</i>	1362
<b>Physicochemical properties of gelatin extracted from chicken deboner residue</b> <i>F. Rafeian, J. Keramat and M. Shahedi</i>	1370
<b>Short Communication</b>	
<b>Efficacy of vanillin and geraniol in reducing <i>Escherichia coli</i> O157:H7 on strawberry juice</b> <i>B. Tomadoni, L. Cassani, M.R. Moreira and A. Ponce</i>	554