

Review

- Benefits of fish oil replacement by plant originated oils in compounded fish feeds. A review**
C. Nasopoulou and I. Zabetakis 217

Research Papers

- Functional properties of pasteurized samples of *Aloe barbadensis* Miller: Optimization using response surface methodology**
V.M. Rodríguez-González, A. Femenia, R. Minjares-Fuentes and R.F. González-Laredo 225
- Thermophysical properties of *Detarium microcarpum* seed flour**
A.A. Adedeji, J. Alakali, P.O. Adewale and M.O. Ngadi 233
- Enzyme membrane reactor in isolation of antioxidative peptides from oil industry waste: A comparison with non-peptidic antioxidants**
R. Das, S. Ghosh and C. Bhattacharjee 238
- Phenolic compounds from hydrolyzed and extracted fiber-rich by-products**
J.L. Bauer, B. Harbaum-Piayda and K. Schwarz 246
- Antioxidant and type II diabetes related enzyme inhibition properties of methanolic extract of an underutilized food legume, *Canavalia ensiformis* (L.) DC: Effect of traditional processing methods**
V. Vadivel, J.N. Cheong and H.K. Biesalski 255
- Effect of bambara groundnut protein isolate on autolysis and gel properties of surimi from threadfin bream (*Nemipterus bleekeri*)**
A. Oujifard, S. Benjakul, M. Ahmad and J. Seyfabadi 261
- Optimization of a process to obtain selenium-enriched freeze-dried broccoli with high antioxidant properties**
A. Mahn, M. Zamorano, H. Barrientos and A. Reyes 267
- Contents of lovastatin, γ -aminobutyric acid and ergothioneine in mushroom fruiting bodies and mycelia**
S.-Y. Chen, K.-J. Ho, Y.-J. Hsieh, L.-T. Wang and J.-L. Mau 274
- A novel beverage rich in antioxidant phenolics: Maqui berry (*Aristotelia chilensis*) and lemon juice**
A. Gironés-Vilaplana, P. Mena, C. García-Viguera and D.A. Moreno 279
- Extraction of oil from tiger nut (*Cyperus esculentus* L.) with supercritical carbon dioxide (SC-CO₂)**
O. Lasekan and S.M. Abdulkarim 287
- Determination of sinigrin, sinalbin, allyl- and benzyl isothiocyanates by RP-HPLC in mustard powder extracts**
S. Herzallah and R. Holley 293
- Effect of different rehydration temperatures on the moisture, content of phenolic compounds, antioxidant capacity and textural properties of edible Irish brown seaweed**
S. Cox, S. Gupta and N. Abu-Ghannam 300
- A new method to apply and quantify bruising sensitivity of button mushrooms**
A. Weijn, M.M.M. Tomassen, S. Bastiaan-Net, M.L.I. Wigham, E.P.J. Boer, E.A.H.J. Hendrix, J.J.P. Baars, A.S.M. Sonnenberg, H.J. Wichers and J.J. Mes 308
- Pigment identification, nutritional composition, bioactivity, and *in vitro* cancer cell cytotoxicity of *Rivina humilis* L. berries, potential source of betalains**
M.I. Khan, P.S.C. Sri Harsha, P. Giridhar and G.A. Ravishankar 315

Moisture sorption isotherms and isosteric heat of sorption of leaves and stems of lemon balm (<i>Melissa officinalis</i> L.) established by dynamic vapor sorption <i>D. Argyropoulos, R. Alex, R. Kohler and J. Müller</i>	324
Characterization and differentiation of high quality vinegars by stir bar sorptive extraction coupled to gas chromatography-mass spectrometry (SBSE-GC-MS) <i>A. Marrujo-Curtido, M.J. Cejudo-Bastante, E. Durán-Guerrero, R. Castro-Mejías, R. Natera-Marín, F. Chinnici and C. García-Barroso</i>	332
Effect of heat-moisture treatment for utilization of germinated brown rice in wheat noodle <i>H.-J. Chung, A. Cho and S.-T. Lim</i>	342
Effects of foaming agents and foam density on drying characteristics and textural property of banana foams <i>R. Thuwapanichayanan, S. Prachayawarakorn and S. Soponronnarit</i>	348
Effect of inulin on the growth and metabolism of a probiotic strain of <i>Lactobacillus rhamnosus</i> in co-culture with <i>Streptococcus thermophilus</i> <i>R.P. de Souza Oliveira, P. Perego, M.N. de Oliveira and A. Converti</i>	358
Inclusion of the variability of model parameters on shelf-life estimations for low and intermediate moisture vegetables <i>Z. Escobedo-Avellaneda, G. Velazquez, J.A. Torres and J. Welti-Chanes</i>	364
Lactic acid bacteria diversity of African raw and fermented camel milk products reveals a highly competitive, potentially health-threatening predominant microflora <i>C. Jans, J. Bugnard, P.M.K. Njage, C. Lacroix and L. Meile</i>	371
Parmigiano Reggiano and Grana Padano cheese curd grains size and distribution by image analysis <i>R. Iezzi, F. Locci, R. Ghiglietti, C. Belingheri, S. Francolino and G. Mucchetti</i>	380
Obtention and characterization of poly(3-hydroxybutyric acid-co-hydroxyvaleric acid)/mcl-PHA based blends <i>S.M. Martelli, J. Sabirova, F.M. Fakhoury, A. Dyzma, B. de Meyer and W. Soetaert</i>	386
Influence of milk type and addition of passion fruit peel powder on fermentation kinetics, texture profile and bacterial viability in probiotic yoghurts <i>A.P. do Espírito Santo, P. Perego, A. Converti and M.N. Oliveira</i>	393
Controlled release of sorbic acid from bacterial cellulose based mono and multilayer antimicrobial films <i>I.M. Jipa, A. Stoica-Guzun and M. Stroescu</i>	400
The pH-dependent thermal and storage stability of glycosylated caseinomacropeptide <i>N. Siegert, A. Tolkach and U. Kulozik</i>	407
Dietary exposure assessment of β-glucan in a barley and oat based bread <i>U. Tiwari and E. Cummins</i>	413
Molecular rearrangements in extrusion processes for the production of amaranth-enriched, gluten-free rice pasta <i>F. Cabrera-Chávez, A.M. Calderón de la Barca, A.R. Islas-Rubio, A. Marti, M. Marengo, M.A. Pagani, F. Bonomi and S. Iametti</i>	421
Incorporation of phytosterols in soy phospholipids nanoliposomes: Encapsulation efficiency and stability <i>M. Alexander, A. Acero Lopez, Y. Fang and M. Corredig</i>	427
Cryoprotective effect of gelatin hydrolysate from blacktip shark skin on surimi subjected to different freeze-thaw cycles <i>P. Kittiphattanabawon, S. Benjakul, W. Visessanguan and F. Shahidi</i>	437
An improved sample preparation method for quantification of ascorbic acid and dehydroascorbic acid by HPLC <i>K.K. Chebrolu, G.K. Jayaprakasha, K.S. Yoo, J.L. Jifon and B.S. Patil</i>	443
Effect of high hydrostatic pressure on modified noncrystalline granular starch of starches with different granular type and amylase content <i>L. Pei-Ling, Z. Qing, S. Qun, H. Xiao-Song and W. Ji-Hong</i>	450
Sensory evaluation and quality indicators of nutritionally-enhanced egg product with ω-3 rich oils <i>H.D. Sedoski, S.K. Beamer, J. Jaczynski, S. Partington and K.E. Matak</i>	459

Effect of protective atmospheres on physicochemical, microbiological and rheological characteristics of sliced Mozzarella cheese	465
<i>M.L. Olivares, G.A. Sihufe, M.L. Capra, A.C. Rubiolo and S.E. Zorrilla</i>	
PET trays coated with Citrus extract exhibit antioxidant activity with cooked turkey meat	471
<i>C. Contini, M.G. Katsikogianni, F.T. O'Neill, M. O'Sullivan, D.P. Dowling and F.J. Monahan</i>	
Physical and sensory characteristics of fibre-enriched sponge cakes made with <i>Opuntia humifusa</i>	478
<i>J.H. Kim, H.J. Lee, H.-S. Lee, E.-J. Lim, J.-Y. Imm and H.J. Suh</i>	
Evaluation of quality during storage of apple leather	485
<i>N.A. Quintero Ruiz, S.M. Demarchi, J.F. Massolo, L.M. Rodoni and S.A. Giner</i>	
Preparation of aqueous dispersions of coenzyme Q₁₀ nanoparticles with amylo maize starch and its dextrin	493
<i>E.-A. Kim, J.-Y. Kim, H.-J. Chung and S.-T. Lim</i>	
Combining ozone and modified atmosphere packaging (MAP) to maximize shelf-life and quality of striped red mullet (<i>Mullus surmuletus</i>)	500
<i>G. Bono and C. Badalucco</i>	
Discrimination between defective and non-defective roasted coffees by diffuse reflectance infrared Fourier transform spectroscopy	505
<i>A.P. Craig, A.S. Franca and L.S. Oliveira</i>	
Research Note	
Glucose oxidase: A potential option to decrease the oxidative stress in stirred probiotic yogurt	512
<i>A.G. Cruz, W.F. Castro, J.A.F. Faria, S. Bogusz Jr, D. Granato, R.M.S. Celeguini, J. Lima-Pallone and H.T. Godoy</i>	
Calendar	I