

December 2012 • Volume 92 • Issue No 15 • ISSN 0022-5142 Published online at wileyonlinelibrary.com 23 April–6 July 2012

Science of Food and Agriculture

View online at wileyonlinelibrary.com/journal/jsfa





Journal of the Scrience of Food

Volume 92 Issue No 15 December 2012 wileyonlinelibrary.com/journal/jsfa



Research Articles

Nutrient content, <i>in vitro</i> ruminal fermentation characteristics and methane reduction potential of tropical tannin-containing leaves R Bhatta, M Saravanan, L Baruah and KT Sampath (India)	2929
Health biomarkers in a rat model after intake of organically grown carrots MM Jensen, H Jørgensen, U Halekoh (Denmark), B Watzl (Germany), K Thorup-Kristensen and C Lauridsen (Denmark)	2936
Day-length effects on protein localisation affect water absorption in barley (<i>Hordeum vulgare</i>) grains URM Holopainen, A Wilhelmson, S Home, K Poutanen (Finland) and PR Shewry (UK)	2944
Impact of cycling temperatures on <i>Fusarium verticillioides</i> and <i>Fusarium graminearum</i> growth and mycotoxins production in soybean D Garcia (Spain), G Barros, S Chulze (Argentina), AJ Ramos, V Sanchis and S Marín (Spain)	2952
Evaluation of <i>Citrus aurantifolia</i> peel and leaves extracts for their chemical composition, antioxidant and anti-cholinesterase activities MR Loizzo, R Tundis, M Bonesi, F Menichini, D De Luca, C Colica and F Menichini (Italy)	2960
Dietary fatty acid intervention of lactating cows simultaneously affects lipid profiles of meat and milk J Angulo (Colombia), B Hiller (Germany), M Olivera, L Mahecha (Colombia), D Dannenberger, G Nuernberg, B Losand and K Nuernberg (Germany)	2968
Effects of high hydrostatic pressure on structure and colour of red ginseng (<i>Panax ginseng</i>) K Ghafoor (Saudi Arabia), S-O Kim, D-U Lee, K Seong and J Park (South Korea)	2975
In vitro antioxidant synergism and antagonism between food extracts can lead to similar activities in H_2O_2 -induced cell death, caspase-3 and MMP-2 activities in H9c2 cells S Wang, KA Meckling, MF Marcone, Y Kakuda, A Proulx and R Tsao (Canada)	2983
Lipid fraction quality of milk produced by Minhota (Portuguese autochthonous breed) compared to Holstein Friesian cow's HMM Ramalho, SD Campos, S Casal, R Alves and MBPP Oliveira (Portugal)	2994
Ameliorative effect of α -tocopherol on monosodium glutamate-induced cardiac histological alterations and oxidative stress S Paul, A Mohanan, MV Varghese, M Alex and H Nair (India)	3002
Rate of change of composition of lettuce in response to nitrogen depletion or re-supply MPN Gent (USA)	3007
Alleviation of chilling injury in postharvest tomato fruit by preconditioning with ultraviolet irradiation C Liu, MM Jahangir and T Ying (China)	3016
The effect of humic and glutamic acids in nutrient solution on the N metabolism in lettuce M Haghighi (Iran)	3023



Science of Food

wileyonlinelibrary.com/journal/jsfa

Contents continued	
Preparation of immunomodulatory hydrolysates from Alaska pollock frame H Hou, Y Fan, B Li, C Xue and G Yu (China)	3029
High-temperature conditioning induces chilling tolerance in mandarin fruit: a cell wall approach N Holland (Spain, Brazil), FL da S Nunes, IUD de Medeiros (Brazil) and MT Lafuente (Spain)	3039
Microtubule and male sterility in a gene-cytoplasmic male sterile line of non-heading Chinese cabbage J Zhang, C Zhang, Y Cheng, L Qi, S Wang and X Hou (China)	304
Protein isolation from blue mussels (<i>Mytilus edulis</i>) using an acid and alkaline solubilisation technique — process characteristics and functionality of the isolates PK Vareltzis (Greece) and I Undeland (Sweden)	305
Efficiency of a new strategy involving a new class of natural hetero-ligand iron(III) chelates (Fe(III)-NHL) to improve fruit tree growth in alkaline/calcareous soils M Fuentes, MF Ortuño, F Pérez-Sarmiento, E Bacaicoa, R Baigorri, W Conejero, A Torrecillas and JM García-Mina (Spain)	306
<i>In vitro</i> and <i>in vivo</i> antifungal properties of cysteine proteinase inhibitor from green kiwifruit MM Popovic, A Bulajic, D Ristic, B Krstic, RM Jankov and M Gavrovic-Jankulovic (Serbia)	307
Changes in biogenic amines of silver carp (<i>Hypophthalmichthys molitrix</i>) fillets stored at different temperatures and their relation to total volatile base nitrogen, microbiological and sensory score C Shi, J Cui, H Lu, H Shen and Y Luo (China)	3079
Hydrodistillation and <i>in situ</i> microwave-generated hydrodistillation of fresh and dried mint leaves: a comparison study L Orio, G Cravotto, A Binello, G Pignata, S Nicola (Italy) and F Chemat (France)	308
Short Communications	
A preliminary study of presence of resveratrol in skins and pulps of European and Japanese plum cultivars N Sebastià, A Montoro, J Mañes and JM Soriano (Spain)	309
Effects of high-pressure processing and enzymatic dephosphorylation on phosvitin properties SP Volk, DU Ahn, M Zeece and S Jung (USA)	309