

## Reviews

- I. A. Kouadio, L. B. Koffi, J. G. Nemlin and M. B. Dosso 1969–1979 Effect of Robusta (*Coffea canephora* P.) coffee cherries quantity put out for sun drying on contamination by fungi and Ochratoxin A (OTA) under tropical humid zone (Côte d'Ivoire)
- B. T. Green, S. T. Lee, K. E. Panter and D. R. Brown 2049–2055 Piperidine alkaloids: Human and food animal teratogens
- D. Stagos, G. Amougias, A. Matakos, A. Spyrou, A. M. Tsatsakis and D. Kouretas 2155–2170 Chemoprevention of liver cancer by plant polyphenols

## Research Papers

- A. Taamalli, D. Arráez-Román, E. Barrajón-Catalán, V. Ruiz-Torres, A. Pérez-Sánchez, M. Herrero, E. Ibañez, V. Micol, M. Zarrouk, A. Segura-Carretero and A. Fernández-Gutiérrez 1817–1825 Use of advanced techniques for the extraction of phenolic compounds from Tunisian olive leaves: Phenolic composition and cytotoxicity against human breast cancer cells
- W. Lee, S.-K. Ku, J. W. Bae and J.-S. Bae 1826–1833 Inhibitory effects of lycopene on HMGB1-mediated pro-inflammatory responses in both cellular and animal models
- A. Yang, M. Zhou, L. Zhang, G. Xie, H. Chen, Z. Liu and W. Ma 1834–1840 Influence of royal jelly on the reproductive function of puberty male rats
- H. Qi, B. Zhu, N. Abe, Y. Shin, Y. Murata and Y. Nakamura 1841–1847 Involvement of intracellular oxidative stress-sensitive pathway in phloxine B-induced photocytotoxicity in human T lymphocytic leukemia cells
- X.-D. Li, R.-R. He, Y. Qin, B. Tsoi, Y.-F. Li, Z.-L. Ma, X. Yang and H. Kurihara 1848–1853 Caffeine interferes embryonic development through over-stimulating serotonergic system in chicken embryo
- Y. K. Nakamura, M. A. Dubick and S. T. Omaye 1854–1859 Modulation of oxidative stress by  $\gamma$ -glutamylcysteine (GGC) and conjugated linoleic acid (CLA) isomer mixture in human umbilical vein endothelial cells
- W.-J. Yu, C.-C. Chang, T.-F. Kuo, T.-C. Tsai and S.-J. Chang 1860–1865 *Toona sinensis* Roem leaf extracts improve antioxidant activity in the liver of rats under oxidative stress
- M. I. Dias, L. Barros, M. J. Sousa and I. C. F. R. Ferreira 1866–1873 Systematic comparison of nutraceuticals and antioxidant potential of cultivated, *in vitro* cultured and commercial *Melissa officinalis* samples
- S.-j. Guan, Z.-h. Ma, Y.-l. Wu, J.-p. Zhang, F. Liang, J. Woodrow Weiss, Q.-y. Guo, J.-y. Wang, E.-s. Ji and L. Chu 1874–1882 Long-term administration of fasudil improves cardiomyopathy in streptozotocin-induced diabetic rats
- W.-Z. Li, W.-Y. Wu, D.-K. Huang, Y.-Y. Yin, H.-W. Kan, X. Wang, Y.-Y. Yao and W.-P. Li 1883–1890 Protective effects of astragalosides on dexamethasone and A $\beta$ <sub>25-35</sub> induced learning and memory impairments due to decrease amyloid precursor protein expression in 12-month male rats

L. C. Roseiro, A. Gomes, L. Patarata and C. Santos	1891–1896	Comparative survey of PAHs incidence in Portuguese traditional meat and blood sausages
X.-m. Chen, M. Wei, H.-m. Zhang, C.-h. Luo, Y.-k. Chen and Y. Chen	1897–1901	Effect of vanillin and ethyl vanillin on cytochrome P450 activity <i>in vitro</i> and <i>in vivo</i>
X. H. Zhou, Y. Dong, Y. Wang, X. Xiao, Y. Xu, B. Xu, X. Li, X. S. Wei and Q. Q. Liu	1902–1910	A three generation study with high-lysine transgenic rice in Sprague–Dawley rats
P. Tso, J. Caldwell, D. Lee, G. P. Boivin and S. J. DeMichele	1911–1919	Comparison of growth, serum biochemistries and <i>n</i> –6 fatty acid metabolism in rats fed diets supplemented with high-gamma-linolenic acid safflower oil or borage oil for 90 days
Y. Liu, X. Xing, J. Wang, L. Xing, Y. Su, Z. Yao, X. Yan, J. Wang and X. Zhang	1920–1926	Sterigmatocystin alters the number of FoxP3 <sup>+</sup> regulatory T cells and plasmacytoid dendritic cells in BALB/c mice
Q. Hu, D. D. Zhang, L. Wang, H. Lou and D. Ren	1927–1932	Eriodictyol-7- <i>O</i> -glucoside, a novel Nrf2 activator, confers protection against cisplatin-induced toxicity
A. Kamenickova and Z. Dvorak	1933–1939	Effects of flavored mineral waters on AhR–CYP1A1 signaling pathway in primary human hepatocytes and in human hepatic and intestinal cancer cells
N. Cho, J. H. Choi, H. Yang, E. J. Jeong, K. Y. Lee, Y. C. Kim and S. H. Sung	1940–1945	Neuroprotective and anti-inflammatory effects of flavonoids isolated from <i>Rhus verniciflua</i> in neuronal HT22 and microglial BV2 cell lines
P. H. Patra, S. Bandyopadhyay, R. Kumar, B. K. Datta, C. Maji, S. Biswas, J. R. Dash, T. K. Sar, S. Sarkar, S. K. Manna, A. K. Chakraborty and T. K. Mandal	1946–1950	Quantitative imaging of arsenic and its species in goat following long term oral exposure
G. C. Tenore, A. Ritieni, P. Campiglia and E. Novellino	1955–1961	Nutraceutical potential of monofloral honeys produced by the Sicilian black honeybees ( <i>Apis mellifera</i> ssp. <i>sicula</i> )
L. Wang, C. Sun, Z.-H. Wang and G.-Q. Guo	1962–1968	Mechanism of apoptosis induced by ortho-topolin riboside in human hepatoma cell line SMMC-7721
J. Li, Y. Yu, Y. Yang, X. Liu, J. Zhang, B. Li, X. Zhou, J. Niu, X. Wei and Z. Liu	1980–1985	A 15-day oral dose toxicity study of aspirin eugenol ester in Wistar rats
M.-C. Kang, G. Ahn, X. Yang, K.-N. Kim, S.-M. Kang, S.-H. Lee, S.-C. Ko, J.-Y. Ko, D. Kim, Y.-T. Kim, Y. Jee, S.-J. Park and Y.-J. Jeon	1986–1991	Hepatoprotective effects of dieckol-rich phlorotannins from <i>Ecklonia cava</i> , a brown seaweed, against ethanol induced liver damage in BALB/c mice
Q. F. Huang, S. J. Zhang, L. Zheng, M. Liao, M. He, R. Huang, L. Zhuo and X. Lin	1992–2001	Protective effect of isoorientin-2''- <i>O</i> - $\alpha$ -L-arabinopyranosyl isolated from <i>Gypsophila elegans</i> on alcohol induced hepatic fibrosis in rats
R. B. Bostancıoğlu, M. Kürkcüoğlu, K. H. C. Başer and A. T. Koparal	2002–2008	Assessment of anti-angiogenic and anti-tumoral potentials of <i>Origanum onites</i> L. essential oil
C. Ghosh, H.-Y. Chung, R. M. Nandre, J. H. Lee, T.-I. Jeon, I.-S. Kim, S. H. Yang and S.-G. Hwang	2009–2015	An active extract of <i>Ulmus pumila</i> inhibits adipogenesis through regulation of cell cycle progression in 3T3-L1 cells
N. S. Radulović, M. S. Dekić, P. J. Randelović, N. M. Stojanović, A. R. Zarubica and Z. Z. Stojanović-Radić	2016–2026	Toxic essential oils: Anxiolytic, antinociceptive and antimicrobial properties of the yarrow <i>Achillea umbellata</i> Sibth. et Sm. (Asteraceae) volatiles
V. Krajka-Kuźniak, H. Szaefer, E. Ignatowicz, T. Adamska and W. Baer-Dubowska	2027–2033	Beetroot juice protects against <i>N</i> -nitrosodiethylamine-induced liver injury in rats
J. Rubert, K. J. James, J. Mañes and C. Soler	2034–2041	Study of mycotoxin calibration approaches on the example of trichothecenes analysis from flour
E.-J. Yang, S.-I. Kim, S.-Y. Park, H.-Y. Bang, J. H. Jeong, J.-H. So, I.-K. Rhee and K.-S. Song	2042–2048	Fermentation enhances the <i>in vitro</i> antioxidative effect of onion ( <i>Allium cepa</i> ) via an increase in quercetin content
W. Wu, B. M. Flannery, Y. Sugita-Konishi, M. Watanabe, H. Zhang and J. J. Pestka	2056–2061	Comparison of murine anorectic responses to the 8-ketotrichothecenes 3-acetyldeoxynivalenol, 15-acetyldeoxynivalenol, fusarenon X and nivalenol

D. Bhakta and R. Siva	2062–2069	Amelioration of oxidative stress in bio-membranes and macromolecules by non-toxic dye from <i>Morinda tinctoria</i> (Roxb.) roots
C. R. Nwokocha, M. I. Nwokocha, I. Aneto, J. Obi, D. C. Udekwelzeze, B. Olatunde, D. U. Owu and M. O. Iwuata	2070–2073	Comparative analysis on the effect of <i>Lycopersicon esculentum</i> (tomato) in reducing cadmium, mercury and lead accumulation in liver
R. J. Schwen, L. Nguyen and R. L. Jackson	2074–2083	Elucidation of the metabolic pathway of S-equol in rat, monkey and man
M. Bouhifid, G. Bories, J. Casado, S. Coecke, H. Norlén, N. Parissis, R. M. Rodrigues and M. P. Whelan	2084–2096	Automation of an in vitro cytotoxicity assay used to estimate starting doses in acute oral systemic toxicity tests
D. Ha, H. Joo, G. Ahn, M. J. Kim, S. J. Bing, S. An, H. Kim, K.-g. Kang, Y.-K. Lim and Y. Jee	2097–2105	Jeju ground water containing vanadium induced immune activation on splenocytes of low dose $\gamma$ -rays-irradiated mice
J. Lee, S.-J. Lee and K.-T. Lim	2109–2117	CTB glycoprotein (75 kDa) inhibits IgE releasing, TNF- $\alpha$ and IL-6 expressed by bisphenol A <i>in vivo</i> and <i>in vitro</i>
L. López-Carrillo, M. C. Camargo, B. G. Schneider, L. A. Sicinchi, R. U. Hernández-Ramírez, P. Correa and M. E. Cebrian	2118–2122	Capsaicin consumption, <i>Helicobacter pylori</i> CagA status and <i>IL1B-31C &gt; T</i> genotypes: A host and environment interaction in gastric cancer
O. Viegas, P. Novo, E. Pinto, O. Pinho and I. M. P. L. V. O. Ferreira	2128–2134	Effect of charcoal types and grilling conditions on formation of heterocyclic aromatic amines (HAs) and polycyclic aromatic hydrocarbons (PAHs) in grilled muscle foods
F. Akar, O. Uludağ, A. Aydın, Y. A. Aytekin, S. Elbeg, M. Tuzcu and K. Sahin	2135–2141	High-fructose corn syrup causes vascular dysfunction associated with metabolic disturbance in rats: Protective effect of resveratrol
H. Türkez, M. I. Yousef and F. Geyikoglu	2142–2148	Propolis protects against 2,3,7,8-tetrachlorodibenzo- <i>p</i> -dioxin-induced toxicity in rat hepatocytes
F. Zhang, J. Zhang and Y. Li	2149–2154	Corn oligopeptides protect against early alcoholic liver injury in rats
H. A. Jung, S. E. Jin, B.-S. Min, B.-W. Kim and J. S. Choi	2171–2179	Anti-inflammatory activity of Korean thistle <i>Cirsium maackii</i> and its major flavonoid, luteolin 5- <i>O</i> -glucoside
S. Gonçalves, A. S. Fernandes, N. G. Oliveira, J. Marques, J. Costa, M. Fátima Cabral, J. Miranda, M. Cipriano, P. S. Guerreiro and M. Castro	2180–2187	Cytotoxic effects of cadmium in mammary epithelial cells: Protective role of the macrocycle [15]pyN <sub>5</sub>
T. H. Kim, S.-K. Ku, T. Lee and J.-S. Bae	2188–2195	Vascular barrier protective effects of phlorotannins on HMGB1-mediated proinflammatory responses <i>in vitro</i> and <i>in vivo</i>
T. G. Osimitz, M. L. Eldridge, E. Slotter, W. Welsh, N. Ai, G. S. Sayler, F. Memm and C. Toole	2196–2205	Lack of androgenicity and estrogenicity of the three monomers used in Eastman's Tritan™ copolyesters
W. Steiling, P. Buttgereit, B. Hall, L. O'Keefe, B. Safford, S. Tozer and M. Coroama	2206–2215	Skin exposure to deodorants/antiperspirants in aerosol form
M. L. Jones, C. J. Martoni, S. Tamber, M. Parent and S. Prakash	2216–2223	Evaluation of safety and tolerance of microencapsulated <i>Lactobacillus reuteri</i> NCIMB 30242 in a yogurt formulation: A randomized, placebo-controlled, double-blind study
A. Cockburn, R. Bradford, N. Buck, A. Constable, G. Edwards, B. Haber, P. Hepburn, J. Howlett, F. Kampers, C. Klein, M. Radomski, H. Stamm, S. Wijnhoven and T. Wildemann	2224–2242	Approaches to the safety assessment of engineered nanomaterials (ENM) in food
K. Eagle	2243–2249	Toxicological effects of red wine, orange juice, and other dietary SULT1A inhibitors via excess catecholamines

## Brief Communications

- I. Cortés-Giraldo, J. Girón-Calle, M. Alaiz, J. Vioque and C. Megías* 1951–1954 Hemagglutinating activity of polyphenols extracts from six grain legumes
- F. Granado-Lorenzo, E. Rubio, I. Blanco-Navarro, B. Pérez-Sacristán, R. Rodríguez-Pena and F. J. García López* 2106–2108 Hypercalcemia, hypervitaminosis A and 3-epi-25-OH-D<sub>3</sub> levels after consumption of an “over the counter” vitamin D remedy. A case report
- B. Bukowska, M. Bors, K. Gulewicz and M. Koter-Michalak* 2123–2127 *Uncaria tomentosa* extracts protect human erythrocyte catalase against damage induced by 2,4-D-Na and its metabolites

## Erratum

- R. G. P. T. Jayasooriya, C.-H. Kang, M.-J. Seo, Y. H. Choi, Y.-K. Jeong and G.-Y. Kim* 2250 Erratum to “Exopolysaccharide of *Laetiporus sulphureus* var. *miniatus* downregulates LPS-induced production of NO, PGE<sub>2</sub>, and TNF- $\alpha$  in BV2 microglia cells via suppression of the NF- $\kappa$ B pathway” [Food Chem. Toxicol. 49 (2011) 2758–2764]

## Corrigenda

- C. P. Nelson, G. W. Patton, K. Arvidson, H. Lee and M. L. Twaroski* 2251 Corrigendum to “Assessing the toxicity of polymeric food-contact substances” [Food Chem. Toxicol. 49 (2011) 1887–1897]
- S. Karaman, J. Barnett Jr., G. P. Sykes, B. Hong and B. Delaney* 2252 Corrigendum to “Two-generation reproductive and developmental toxicity assessment of dietary *N*-acetyl-L-aspartic acid in rats” [Food and Chemical Toxicology 49 (2011) 3192–3205]
- Z. Bouallagui, J. Han, H. Isoda and S. Sayadi* 2253 Corrigendum to ‘Hydroxytyrosol rich extract from olive leaves modulates cell cycle progression in MCF-7 human breast cancer cells’ [Food and Chemical Toxicology 49 (2011) 179–184]