

D.-J. Yang, Y.-Z. Chang, Y.-C. Chen, S.-C. Liu, C.-H. Hsu and J.-T. Lin	3056–3061	Antioxidant effect and active components of litchi ( <i>Litchi chinensis</i> Sonn.) flower
F. M. Escobar, L. N. Cariddi, M. C. Sabini, E. Reinoso, S. B. Sutil, C. V. Torres, S. M. Zanon and L. I. Sabini	3062–3067	Lack of cytotoxic and genotoxic effects of <i>Minthostachys verticillata</i> essential oil: Studies <i>in vitro</i> and <i>in vivo</i>
A. Raiola, G. Meca, G. Garcia-Llatas and A. Ritieni	3068–3072	Study of thermal resistance and <i>in vitro</i> bioaccessibility of patulin from artificially contaminated apple products
X. Deng, K. Wu, J. Wan, L. Li, R. Jiang, M. Jia, Y. Jing and L. Zhang	3073–3078	Aminotriazole attenuated carbon tetrachloride-induced oxidative liver injury in mice
G. Kavoosi and J. A. Teixeira da Silva	3079–3085	Inhibitory effects of <i>Zataria multiflora</i> essential oil and its main components on nitric oxide and hydrogen peroxide production in glucose-stimulated human monocyte
L.-S. Hsu, H.-H. Ho, M.-C. Lin, C.-C. Chyau, J.-S. Peng and C.-J. Wang	3086–3093	Mulberry water extracts (MWEs) ameliorated carbon tetrachloride-induced liver damages in rat
S. Olguín-Reyes, R. Camacho-Carranza, S. Hernández-Ojeda, M. Elinos-Baez and J. J. Espinosa-Aguirre	3094–3099	Bergamottin is a competitive inhibitor of CYP1A1 and is antimutagenic in the Ames test
S. Wu, X. Wei, J. Jiang, L. Shang and W. Hao	3100–3105	Effects of bisphenol A on the proliferation and cell cycle of HBL-100 cells
L. Alemany, J. M. Laparra, R. Barberá and A. Alegría	3106–3113	Evaluation of the cytotoxic effect of 7keto-stigmasterol and 7keto-cholesterol in human intestinal (Caco-2) cells
Z. Yang, Y. Zhang and Z. Meng	3114–3119	The vasodilator mechanisms of sodium metabisulfite on precontracted isolated aortic rings in rats: Signal transduction pathways and ion channels
D. K. Patel, S. N. Desai, H. P. Gandhi, R. V. Devkar and A. V. Ramachandran	3120–3125	Cardio protective effect of <i>Coriandrum sativum</i> L. on isoproterenol induced myocardial necrosis in rats
S. S. Agrawal, S. Naqvi, S. K. Gupta and S. Srivastava	3126–3132	Prevention and management of diabetic retinopathy in STZ diabetic rats by <i>Tinospora cordifolia</i> and its molecular mechanisms
Y. Jia, L. Ji, S. Zhang, L. Xu, L. Yin, L. Li, Y. Zhao and J. Peng	3133–3141	Total flavonoids from <i>Rosa Laevigata</i> Michx fruit attenuates hydrogen peroxide induced injury in human umbilical vein endothelial cells
M. He, S. Zhang, Y. Jiao, X. Lin, J. Huang, C. Chen, Z. Chen and R. Huang	3142–3149	Effects and mechanisms of rifampin on hepatotoxicity of acetaminophen in mice
N. L. Booth, C. L. Kruger, A. Wallace Hayes and R. Clemens	3150–3165	An innovative approach to the safety evaluation of natural products: Cranberry ( <i>Vaccinium macrocarpon</i> Aiton) leaf aqueous extract as a case study
X. Zhao, G. Shu, L. Chen, X. Mi, Z. Mei and X. Deng	3166–3173	A flavonoid component from <i>Docynia delavayi</i> (Franch.) Schneid represses transplanted H22 hepatoma growth and exhibits low toxic effect on tumor-bearing mice
J.-S. Kim, S.-B. Ryoo, K. Heo, J.-G. Kim, T.-G. Son, C. Moon and K. Yang	3174–3180	Attenuating effects of Granulocyte-colony stimulating factor (G-CSF) in radiation induced intestinal injury in mice
J. Radovic, D. Maksimovic-Ivanic, G. Timotijevic, S. Popadic, Z. Ramic, V. Trajkovic, D. Miljkovic, S. Stosic-Grujicic and S. Mijatovic	3181–3189	Cell-type dependent response of melanoma cells to aloe emodin
H. S. Kim, Y. J. Kim, H. K. Lee, H. S. Ryu, J. S. Kim, M. J. Yoon, J. S. Kang, J. T. Hong, Y. Kim and S.-B. Han	3190–3197	Activation of macrophages by polysaccharide isolated from <i>Paecilomyces cicadae</i> through toll-like receptor 4
S.-j. Tsai and M.-c. Yin	3198–3205	Anti-glycative and anti-inflammatory effects of protocatechuic acid in brain of mice treated by D-galactose
B. Podder, Y.-S. Kim, T. Zerin and H.-Y. Song	3206–3214	Antioxidant effect of silymarin on paraquat-induced human lung adenocarcinoma A549 cell line
P. Liu, X. He, D. Chen, Y. Luo, S. Cao, H. Song, T. Liu, K. Huang and W. Xu	3215–3221	A 90-day subchronic feeding study of genetically modified maize expressing Cry1Ac-M protein in Sprague–Dawley rats

(Contents continued from inside back cover)

- H. Shen, P. Lv, X. Xing, L. Xing, X. Yan, J. Wang and X. Zhang 3222–3228 Impairment of alveolar type-II cells involved in the toxicity of Aflatoxin G<sub>1</sub> in rat lung
- N. Sebastià, J. M. Soriano, J. F. Barquinero, J. I. Villaescusa, M. Almonacid, J. Cervera, E. Such, M. A. Silla and A. Montoro 3229–3233 *In vitro* cytogenetic and genotoxic effects of curcumin on human peripheral blood lymphocytes
- W. Wang, Y. Sun, J. Liu, J. Wang, Y. Li, H. Li, W. Zhang and H. Liao 3243–3250 Protective effect of theaflavins on cadmium-induced testicular toxicity in male rats
- X. Qi, X. He, Y. Luo, S. Li, S. Zou, S. Cao, M. Tang, B. Delaney, W. Xu and K. Huang 3256–3263 Subchronic feeding study of stacked trait genetically-modified soybean (3Ø5423×40-3-2) in Sprague–Dawley rats
- Y. Xu, Y. Feng, H. Li and Z. Gao 3264–3272 Ferric citrate CYP2E1-independently promotes alcohol-induced apoptosis in HepG2 cells via oxidative/nitrative stress which is attenuated by pretreatment with baicalin
- W.-J. Yoon, S.-J. Heo, S.-C. Han, H.-J. Lee, G.-J. Kang, E.-J. Yang, S.-S. Park, H.-K. Kang and E.-S. Yoo 3273–3279 Sargachromanol G regulates the expression of osteoclastogenic factors in human osteoblast-like MG-63 cells
- P. R. Hunt, N. Olejnik and R. L. Sprando 3280–3290 Toxicity ranking of heavy metals with screening method using adult *Caenorhabditis elegans* and propidium iodide replicates toxicity ranking in rat
- D. Ran, S. Cai, H. Wu and H. Gu 3291–3297 Di (2-ethylhexyl) phthalate modulates cholinergic mini-presynaptic transmission of projection neurons in *Drosophila* antennal lobe
- Y. Liu and R. Liu 3298–3305 The interaction of  $\alpha$ -chymotrypsin with one persistent organic pollutant (dicofol): Spectroscopy and molecular modeling identification
- L. Zhang, H. Zhang, Y. Miao, S. Wu, H. Ye and Y. Yuan 3306–3312 Protective effect of allicin against acrylamide-induced hepatocyte damage in vitro and in vivo
- J.-C. Lei, J.-Q. Yu, Y. Yin, Y.-W. Liu and G.-L. Zou 3313–3319 Alantolactone induces activation of apoptosis in human hepatoma cells
- S. Surichan, V. P. Androutsopoulos, S. Sifakis, E. Koutala, A. Tsatsakis, R. R. J. Arroyo and M. R. Boarder 3320–3328 Bioactivation of the citrus flavonoid nobiletin by CYP1 enzymes in MCF7 breast adenocarcinoma cells
- E. Celep, A. Aydın and E. Yesilada 3329–3335 A comparative study on the *in vitro* antioxidant potentials of three edible fruits: Cornelian cherry, Japanese persimmon and cherry laurel
- S.-J. Heo, W.-J. Yoon, K.-N. Kim, C. Oh, Y.-U. Choi, K.-T. Yoon, D.-H. Kang, Z.-J. Qian, I.-W. Choi and W.-K. Jung 3336–3342 Anti-inflammatory effect of fucoxanthin derivatives isolated from *Sargassum siliquastrum* in lipopolysaccharide-stimulated RAW 264.7 macrophage
- C.-t. Tu, Q.-y. Yao, B.-l. Xu, J.-y. Wang, C.-h. Zhou and S.-c. Zhang 3343–3351 Protective effects of curcumin against hepatic fibrosis induced by carbon tetrachloride: Modulation of high-mobility group box 1, Toll-like receptor 4 and 2 expression
- A. Hudecová, B. Kusznierevicz, K. Hašplová, A. Huk, Z. Magdolenová, E. Miadoková, E. Gálová and M. Dušinská 3352–3359 *Gentiana asclepiadea* exerts antioxidant activity and enhances DNA repair of hydrogen peroxide- and silver nanoparticles-induced DNA damage
- I. Rodeiro, S. Hernandez, J. Morffi, J. A. Herrera, M. J. Gómez-Lechón, R. Delgado and J. J. Espinosa-Aguirre 3360–3366 Evaluation of genotoxicity and DNA protective effects of mangiferin, a glucosylxanthone isolated from *Mangifera indica* L. stem bark extract
- Y. Hong, W. Zi-jun, X. Jian, D. Ying-jie and M. Fang 3367–3374 Development of the dietary fiber functional food and studies on its toxicological and physiologic properties
- S. Borska, M. Chmielewska, T. Wysocka, M. Drag-Zalesinska, M. Zabel and P. Dziegiel 3375–3383 *In vitro* effect of quercetin on human gastric carcinoma: Targeting cancer cells death and MDR
- Brief Communication**
- V. Pavlovic, E. Cherneva, D. Yancheva and A. Smelcerovic 3014–3018 6-(Propan-2-yl)-3-methyl-morpholine-2,5-dione, a novel cyclodipeptide with modulatory effect on rat thymocytes
- Corrigendum**
- L. Wang, C. Sun, Z.-H. Wang and G.-Q. Guo 3384 Corrigendum to “Mechanism of apoptosis induced by ortho-topolin riboside in human hepatoma cell line SMMC-7721” [Food Chem. Toxicol. 50 (2012) 1962–1968]

CONTENTS

<b>Reviews</b>		
<i>A. L. Antonio, M. Caroch, A. Bento, B. Quintana, M. Luisa Botelho and I. C. F. R. Ferreira</i>	3234–3242	Effects of gamma radiation on the biological, physico-chemical, nutritional and antioxidant parameters of chestnuts – A review
<i>S.-H. Eom, Y.-M. Kim and S.-K. Kim</i>	3251–3255	Antimicrobial effect of phlorotannins from marine brown algae
<b>Research Papers</b>		
<i>M. R. Qazi, B. Dean Nelson, J. W. DePierre and M. Abedi-Valugerdi</i>	2955–2963	High-dose dietary exposure of mice to perfluorooctanoate or perfluorooctane sulfonate exerts toxic effects on myeloid and B-lymphoid cells in the bone marrow and these effects are partially dependent on reduced food consumption
<i>M. Wang, P. Zhu, C. Jiang, L. Ma, Z. Zhang and X. Zeng</i>	2964–2970	Preliminary characterization, antioxidant activity <i>in vitro</i> and hepatoprotective effect on acute alcohol-induced liver injury in mice of polysaccharides from the peduncles of <i>Hovenia dulcis</i>
<i>A. Sooresh, Z. Zeng, J. Chandrasekharan, S. D. Pillai and C. M. Sayes</i>	2971–2977	A physiologically relevant approach to characterize the microbial response to colloidal particles in food matrices within a simulated gastrointestinal tract
<i>C.-C. Li, C.-Y. Hsiang, H.-Y. Lo, F.-T. Pai, S.-L. Wu and T.-Y. Ho</i>	2978–2986	Genipin inhibits lipopolysaccharide-induced acute systemic inflammation in mice as evidenced by nuclear factor- $\kappa$ B bioluminescent imaging-guided transcriptomic analysis
<i>Y. Sohn, H.-S. Lee, H.-J. Park, H. Lee, H. Lee, H. Choi, C.-H. Jeong, Y. Bu and H.-S. Jung</i>	2987–2995	Angelicae Gigantis Radix regulates mast cell-mediated allergic inflammation <i>in vivo</i> and <i>in vitro</i>
<i>D. Pal, S. Sur, S. Mandal, S. Das and C. K. Panda</i>	2996–3003	Regular black tea habit could reduce tobacco associated ROS generation and DNA damage in oral mucosa of normal population
<i>J. J. Wang, Q. H. Shi, W. Zhang and B. J. S. Sanderson</i>	3004–3013	Anti-skin cancer properties of phenolic-rich extract from the pericarp of mangosteen ( <i>Garcinia mangostana</i> Linn.)
<i>J. Wu, M. Guan, P. F. Wong, H. Yu, J. Dong and J. Xu</i>	3019–3024	Icariside II potentiates paclitaxel-induced apoptosis in human melanoma A375 cells by inhibiting TLR4 signaling pathway
<i>S. Chen, Y. Ding, W. Tao, W. Zhang, T. Liang and C. Liu</i>	3025–3031	Naringenin inhibits TNF- $\alpha$ induced VSMC proliferation and migration via induction of HO-1
<i>C.-J. Liu and J.-Y. Lin</i>	3032–3039	Anti-inflammatory and anti-apoptotic effects of strawberry and mulberry fruit polysaccharides on lipopolysaccharide-stimulated macrophages through modulating pro-/anti-inflammatory cytokines secretion and Bcl-2/Bak protein ratio
<i>H. Guo, J. Guo, X. Jiang, Z. Li and W. Ling</i>	3040–3047	Cyanidin-3- <i>O</i> - $\beta$ -glucoside, a typical anthocyanin, exhibits antilipolytic effects in 3T3-L1 adipocytes during hyperglycemia: Involvement of FoxO1-mediated transcription of adipose triglyceride lipase
<i>W. Lee, S.-K. Ku and J.-S. Bae</i>	3048–3055	Barrier protective effects of rutin in LPS-induced inflammation <i>in vitro</i> and <i>in vivo</i>