

CONTENTS

C.-F. Xu, X.-L. Gao, Y.-X. Du and S.-T. Ren	3013–3017	The rapid establishment and implications of a melamine-induced standardized bladder stone model in mice
H. Y. Yu, S. W. Park, I. M. Chung and Y.-S. Jung	3018–3024	Anti-platelet effects of yuzu extract and its component
J. van Amsterdam, A. Sleijffers, P. van Spiegel, R. Blom, M. Witte, J. van de Kasstele, M. Blokland, P. Steerenberg and A. Opperhuizen	3025–3030	Effect of ammonia in cigarette tobacco on nicotine absorption in human smokers
H. Wan, S. Weng, L. Liang, Q. Lu and J. He	3031–3037	Evaluation of the developmental toxicity of leucomalachite green administered orally to rats
K.-T. Park, J.-K. Kim, D. Hwang, Y. Yoo and Y.-H. Lim	3038–3045	Inhibitory effect of mulberroside A and its derivatives on melanogenesis induced by ultraviolet B irradiation
Y. Yin, W. Chen, C. Tang, H. Ding, J. Jang, M. Weng, Y. Cai and G. Zou	3046–3054	NF- κ B, JNK and p53 pathways are involved in tubeimoside-1-induced apoptosis in HepG2 cells with oxidative stress and G ₂ /M cell cycle arrest
N. Assaf, N. A. Salem, W. K. B. Khalil and H. H. Ahmed	3055–3062	Evaluation of the potential toxicity of dibromoacetonitrile-induced apoptosis and tumor-initiating activity in rat liver
B. J. Connell, M. C. Saleh, B. V. Khan and T. M. Saleh	3063–3069	Apocynin may limit total cell death following cerebral ischemia and reperfusion by enhancing apoptosis
J. Ruelas-Inzunza, C. Patiño-Mejía, M. Soto-Jiménez, G. Barba-Quintero and M. Spanopoulos-Hernández	3070–3073	Total mercury in canned yellowfin tuna <i>Thunnus albacares</i> marketed in northwest Mexico
L. C. Chandra, B. J. Smith, S. L. Clarke, D. Marlow, J. M. D'Offay and S. R. Kuvibidila	3074–3080	Differential effects of shiitake- and white button mushroom-supplemented diets on hepatic steatosis in C57BL/6 mice
F. Zhu, W. Fan, X. Wang, L. Qu and S. Yao	3081–3085	Health risk assessment of eight heavy metals in nine varieties of edible vegetable oils consumed in China
U. Kapoor, M. K. Srivastava and L. P. Srivastava	3086–3089	Toxicological impact of technical imidacloprid on ovarian morphology, hormones and antioxidant enzymes in female rats
B. D. Sahu, K. K. R. Rentam, U. K. Putcha, M. Kuncha, G. M. N. Vegi and R. Sistla	3090–3097	Carnosic acid attenuates renal injury in an experimental model of rat cisplatin-induced nephrotoxicity
A. Kumar, A. H. Srikanta, S. P. Muthukumar, U.-K. Sukumaran and V. Govindaswamy	3098–3103	Antioxidant and lipid peroxidation activities in rats fed with <i>Aspergillus carbonarius</i> carotenoid
M. Snel, J. A. van Diepen, T. Stijnen, H. Pijl, J. A. Romijn, A. E. Meinders, P. Voshol and I. M. Jazet	3104–3111	Immediate and long-term effects of addition of exercise to a 16-week very low calorie diet on low-grade inflammation in obese, insulin-dependent type 2 diabetic patients

X. H. Zhou, Y. Dong, X. Xiao, Y. Wang, Y. Xu, B. Xu, W. D. Shi, Y. Zhang, L. J. Zhu and Q. Q. Liu	3112–3118	A 90-day toxicology study of high-amylose transgenic rice grain in Sprague–Dawley rats
C.-M. Liu, J.-Q. Ma and Y.-Z. Sun	3119–3127	Protective role of puerarin on lead-induced alterations of the hepatic glutathione antioxidant system and hyperlipidemia in rats
N. Zucchini-Pascal, G. de Sousa, J. Pizzol and R. Rahmani	3128–3135	Molecular investigation of the effects of lindane in rat hepatocytes: Microarray and mechanistic studies
J. Zhang, H.-D. Gu, L. Zhang, Z.-J. Tian, Z.-Q. Zhang, X.-C. Shi and W.-H. Ma	3136–3141	Protective effects of apricot kernel oil on myocardium against ischemia–reperfusion injury in rats
P. K. Mukherjee, S. Ponnusankar, S. Pandit, P. K. Hazam, M. Ahmmed and K. Mukherjee	3142–3153	Botanicals as medicinal food and their effects on drug metabolizing enzymes
M. I. Khan, K. M. Denny Joseph, Muralidhara, H. P. Ramesh, P. Giridhar and G. A. Ravishankar	3154–3157	Acute, subacute and subchronic safety assessment of betalains rich <i>Rivina humilis</i> L. berry juice in rats
D. Lu, X. Zhao, Y. Zhao, B. Zhang, B. Zhang, M. Geng and R. Liu	3158–3164	Binding of Sudan II and Sudan IV to bovine serum albumin: Comparison studies
M. Pešić, J. Banković, I. S. Aljančić, N. M. Todorović, M. Jadranin, V. E. Vajs, V. V. Tešević, I. Vučković, M. Momčilović, I. D. Marković, N. Tanić and S. Ruždijić	3165–3173	New anti-cancer characteristics of jatrophone diterpenes from <i>Euphorbia dendroides</i>
S. Song, G. Zhou, F. Gao, W. Zhang, L. Qiu, S. Dai, X. Xu and H. Xiao	3174–3182	Degradation of transgene DNA in genetically modified herbicide-tolerant rice during food processing
A. B. Hsouma, M. Saoudi, M. Trigui, K. Jamoussi, T. Boudawara, S. Jaoua and A. El Feki	3183–3191	Characterization of bioactive compounds and ameliorative effects of <i>Ceratonia siliqua</i> leaf extract against CCl ₄ induced hepatic oxidative damage and renal failure in rats
S. Karaman, J. Barnett Jr, G. P. Sykes, B. Hong and B. Delaney	3192–3205	Two-generation reproductive and developmental toxicity assessment of dietary <i>N</i> -acetyl-L-aspartic acid in rats
Y.-F. Lei, J.-L. Chen, H. Wei, C.-M. Xiong, Y.-H. Zhang and J.-L. Ruan	3206–3210	Hypolipidemic and anti-inflammatory properties of Abacopterin A from <i>Abacopteris penangiana</i> in high-fat diet-induced hyperlipidemia mice
L. Dong, Y. Fan, X. Shao and Z. Chen	3211–3216	Vitexin protects against myocardial ischemia/reperfusion injury in Langendorff-perfused rat hearts by attenuating inflammatory response and apoptosis
E. Król and Z. Krejpcio	3217–3223	Evaluation of anti-diabetic potential of chromium(III) propionate complex in high-fat diet fed and STZ injected rats
A. Messer, A. Nieborowski, C. Strasser, C. Lohr and D. Schrenk	3224–3231	Major furocoumarins in grapefruit juice I: Levels and urinary metabolite(s)
I. M. C. Almeida, J. C. M. Barreira, M. B. P. P. Oliveira and I. C. F. R. Ferreira	3232–3237	Dietary antioxidant supplements: Benefits of their combined use
S. W. Purkis, C. Mueller and M. Intorp	3238–3248	The fate of ingredients in and impact on cigarette smoke
J. Hlywka, W. A. Brathwaite, M. O. Rihner, A. I. Nikiforov and A. K. Eapen	3249–3257	A 90-day oral (dietary) toxicity study of the 2 <i>R</i> ,4 <i>R</i> -isomer of monatin salt in Sprague–Dawley rats
P. A. Olsvik, H. Amlund and B. E. Torstensen	3258–3271	Dietary lipids modulate methylmercury toxicity in Atlantic salmon
I. Fukuda, M. Tsutsui, T. Yoshida, T. Toda, T. Tsuda and H. Ashida	3272–3278	Oral toxicological studies of black soybean (<i>Glycine max</i>) hull extract: Acute studies in rats and mice, and chronic studies in mice
A. J. L. Cooper and M. H. Hanigan	3279–3280	Food and Chemical Toxicology, 2011, ‘Possible role of cysteine-S-conjugate β-lyase in species differences in cisplatin nephrotoxicity’, R. Katayama, S. Nagata, H. Iida, N. Yamagishi, T. Yamashita, K. Furuhashi
A. A. Al-Hazzani and A. A. Alshatwi	3281–3286	Catechin hydrate inhibits proliferation and mediates apoptosis of SiHa human cervical cancer cells
K. P. Latté, K.-E. Appel and A. Lampen	3287–3309	Health benefits and possible risks of broccoli – An overview

(Contents continued from inside back cover)

- I. Fedorova-Dahms, P. A. Marone, M. Bauter and A. S. Ryan 3310–3318 Safety evaluation of DHA-rich Algal Oil from *Schizochytrium* sp.
- W. D. Johnson, R. L. Morrissey, A. L. Osborne, I. Kapetanovic, J. A. Crowell, M. Muzzio and D. L. McCormick 3319–3327 Subchronic oral toxicity and cardiovascular safety pharmacology studies of resveratrol, a naturally occurring polyphenol with cancer preventive activity
- N. Zaabat, A.-E. Hay, S. Michalet, N. Darbour, C. Bayet, I. Skandrani, L. Chekir-Ghedira, S. Akkal and M.-G. Dijoux-Franca 3328–3335 Antioxidant and antigenotoxic properties of compounds isolated from *Marrubium deserti* de Noé
- M. Holecek and M. Kovarik 3336–3342 Alterations in protein metabolism and amino acid concentrations in rats fed by a high-protein (casein-enriched) diet – Effect of starvation
- S. C. Kothari, P. Shivarudraiah, S. B. Venkataramaiah, K. P. Koppolu, S. Gavara, R. Jairam, S. Krishna, R. K. Chandrappa and M. G. Soni 3343–3357 Safety assessment of *Cissus quadrangularis* extract (CQR-300): Subchronic toxicity and mutagenicity studies
- M. García-Vaquero, M. López-Alonso, J. L. Bedito, J. Hernández, B. Gutiérrez and M. Miranda 3358–3366 Influence of Cu supplementation on toxic and essential trace element status in intensive reared beef cattle
- R. Nagalekshmi, A. Menon, D. K. Chandrasekharan and C. K. K. Nair 3367–3373 Hepatoprotective activity of *Andrographis Paniculata* and *Swertia Chirayita*
- Y. P. Hwang, H. G. Kim, J. H. Choi, E. H. Han, K.-i. Kwon, Y. C. Lee, J. M. Choi, Y. C. Chung, T. C. Jeong and H. G. Jeong 3374–3382 Saponins from the roots of *Platycodon grandiflorum* suppress ultraviolet A-induced matrix metalloproteinase-1 expression via MAPKs and NF- κ B/AP-1-dependent signaling in HaCaT cells
- M. E. Kim, H. R. Park, E. J. Gong, S. Y. Choi, H. S. Kim and J. Lee 3383–3389 Exposure to bisphenol A appears to impair hippocampal neurogenesis and spatial learning and memory
- K. M. Ramkumar, P. Vanitha, C. Uma, N. Suganya, E. Bhakkiyalakshmi and J. Sujatha 3390–3394 Antidiabetic activity of alcoholic stem extract of *Gymnema montanum* in streptozotocin-induced diabetic rats
- S. Sharma, D. Sahu, H. R. Das and D. Sharma 3395–3406 Amelioration of collagen-induced arthritis by *Salix nigra* bark extract via suppression of pro-inflammatory cytokines and oxidative stress
- L. Wang, L. Pan, N. Liu, D. Liu, C. Xu and J. Miao 3407–3417 Biomarkers and bioaccumulation of clam *Ruditapes philippinarum* in response to combined cadmium and benzo[α]pyrene exposure