Journal of Food and Drug Analysis

CONTENTS

Volume 25, Number 4

October 2017

ORIGINAL ARTICLES

- 751 Identification of cow milk in goat milk by nonlinear chemical fingerprint technique Yong-Jie Ma, Wen-Bin Dong, Cheng Fan, Er-Dan Wang
- 759 Effects of electrolysis time and electric potential on chlorine generation of electrolyzed deep ocean water Guoo-Shyng Wang Hsu, Yi-Fa Lu, Shun-Yao Hsu
- 766 Optimization conditions for extracting polysaccharide from *Angelica sinensis* and its antioxidant activities Suyang Tian, Changchun Hao, Guangkuan Xu, Juanjuan Yang, Runguang Sun
- 776 Characterization of metabolite profiles from the leaves of green perilla (*Perilla frutescens*) by ultra high performance liquid chromatography coupled with electrospray ionization quadrupole time-of-flight mass spectrometry and screening for their antioxidant properties

 Yeon Hee Lee, Bokyeong Kim, Soyoung Kim, Min-Sun Kim, Hyunji Kim, Seung-Ryul Hwang, Kyun Kim, Jin Hwan Lee
- 789 Determination of underivatized amino acids to evaluate quality of beer by capillary electrophoresis with online sweeping technique
 Tian Luo, Jing Ke, Yunfei Xie, Yuming Dong
- 798 Rapid determination of capsaicinoids by colorimetric method Wang-Kyun Ryu, Hee-Woong Kim, Geun-Dong Kim, Hae-Ik Rhee
- 804 Enhanced active extracellular polysaccharide production from *Ganoderma formosanum* using computational modeling Kai-Di Hsu, Shu-Pei Wu, Shin-Ping Lin, Chi-Chin Lum, Kuan-Chen Cheng
- 812 The effect of vacuum packaging on histamine changes of milkfish sticks at various storage temperatures Hsien-Feng Kung, Yi-Chen Lee, Chiang-Wei Lin, Yu-Ru Huang, Chao-An Cheng, Chia-Min Lin, Yung-Hsiang Tsai
- 819 Regulatory efficacy of fermented plant extract on the intestinal microflora and lipid profile in mildly hypercholesterolemic individuals
 Hui-Fang Chiu, Yen-Jung Chen, Yan-Ying Lu, Yi-Chun Han, You-Cheng Shen, Kamesh Venkatakrishnan,
 Chin-Kun Wang
- 828 In vitro assay to estimate tea astringency via observing flotation of artificial oil bodies sheltered by caleosin fused with histatin 3
 Yu-En Shih, Yu-Chih Lin, Tse-yu Chung, Mei-Chun Liu, Guan-Heng Chen, Chia-Chang Wu, Jason T.C. Tzen
- 837 Physicochemical properties and anticoagulant activity of polyphenols derived from *Lachnum singerianum* Shuai Zong, Jing Ji, Jinglei Li, Qing-Hua Yang, Ming Ye
- 845 Comparative effect of horse gram and black gram on inflammatory mediators and antioxidant status Vrinda Rajagopal, Chithra K. Pushpan, Helen Antony
- 854 The stimulating effects of polyphenol and protein fractions from jelly fig (Ficus awkeotsang Makino) achenes against proliferation of leukemia cells Yi-Zhen Shih, Ai-Jun Huang, Chih-Yao Hou, Chii-Ming Jiang, Ming-Chang Wu

- 862 Extract from Mulberry (*Morus australis*) leaf decelerate acetaminophen induced hepatic inflammation involving downregulation of myeloid differentiation factor 88 (MyD88) signals
 Chi-Ting Horng, Zhi-Hong Liu, Yu-Ting Huang, Huei-Jane Lee, Chau-Jong Wang
- 872 Taiwanese and Japanese yam (*Dioscorea* spp.) extracts attenuate doxorubicin-induced cardiotoxicity in mice Chih-Tai Chen, Zhi-Hong Wang, Cheng-Chin Hsu, Hui-Hsuan Lin, Jing-Hsien Chen
- 881 Anti-oxidant activity and major chemical component analyses of twenty-six commercially available essential oils
 Hsiao-Fen Wang, Kuang-Hway Yih, Chao-Hsun Yang, Keh-Feng Huang
- 890 The impact of gallic acid on the methotrexate-induced kidney damage in rats Halil Asci, Ozlem Ozmen, Hamit Yasar Ellidag, Bunyamin Aydin, Ercan Bas, Necat Yilmaz
- 898 Antihemolytic and antioxidant properties of pearl powder against 2,2´-azobis(2-amidinopropane) dihydrochloride-induced hemolysis and oxidative damage to erythrocyte membrane lipids and proteins Hsin-Ling Yang, Mallikarjuna Korivi, Ming-Kuem Lin, Hebron Chun-Wei Chang, Chi-Rei Wu, Meng-Shiou Lee, William Tzu-Liang Chen, You-Cheng Hseu
- 908 Dunaliella salina alga extract inhibits the production of interleukin-6, nitric oxide, and reactive oxygen species by regulating nuclear factor-κB/Janus kinase/signal transducer and activator of transcription in virus-infected RAW264.7 cells Hui-Wen Lin, Cheng-Wei Liu, Deng-Jye Yang, Ching-Chung Chen, Shih-Yin Chen, Jung-Kai Tseng, Tien-Jye Chang, Yuan-Yen Chang
- 919 The regulatory effects of fish oil and chitosan on hepatic lipogenic signals in high-fat diet-induced obese rats Chen-Yuan Chiu, Tien-Chia Chang, Shing-Hwa Liu, Meng-Tsan Chiang
- 931 Red algae (*Gelidium amansii*) hot-water extract ameliorates lipid metabolism in hamsters fed a high-fat diet Tsung-Han Yang, Hsien-Tsung Yao, Meng-Tsan Chiang
- 939 Morphological and chemical analyses of Eriocauli Flos sold in Taiwan markets I-Jung Lee, Cheng-Pei Chung, Shu-Jen Chang, Yun-Lian Lin
- 946 Qualitative and quantitative characterization of secondary metabolites and carbohydrates in *Bai-Hu-Tang* using ultraperformance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry and ultraperformance liquid chromatography coupled with photodiode array detector Wei-Fang Zhong, Wing-Sum Tong, Shan-Shan Zhou, Ka-Man Yip, Song-Lin Li, Zhong-Zhen Zhao, Jun Xu, Hu-Biao Chen
- 960 Quality assessment of trace Cd and Pb contaminants in Thai herbal medicines using ultrasound-assisted digestion prior to flame atomic absorption spectrometry

 Watsaka Siriangkhawut, Patcharee Sittichan, Kraingkrai Ponhong, Piyanete Chantiratikul
- 968 Exploration of ethyl anthranilate-loaded monolithic matrix-type prophylactic polymeric patch Johirul Islam, Kamaruz Zaman, Srijita Chakrabarti, Nilutpal Sharma Bora, Manash Pratim Pathak, Santa Mandal, Julfikar Ali Junejo, Pronobesh Chattopadhyay
- 976 Phosphorylation and antiaging activity of polysaccharide from *Trichosanthes* peel Min Zhang, Nana Su, Qianli Huang, Qiang Zhang, Yufen Wang, Jinglei Li, Ming Ye
- 984 Pyrrolizidine alkaloid-derived DNA adducts are common toxicological biomarkers of pyrrolizidine alkaloid N-oxides
 Xiaobo He, Qingsu Xia, Kellie Woodling, Ge Lin, Peter P. Fu
- 992 Analysis of bioactive constituents from the leaves of *Amorpha fruticosa* L.

 Xueqin Cui, Jing Guo, Ching-Shu Lai, Min-Hsiung Pan, Zhongxiao Ma, Sen Guo, Qingchao Liu, Li Zhang, Chi-Tang Ho, Naisheng Bai

1000 Application of novel Ni(II) complex and ZrO_2 nanoparticle as mediators for electrocatalytic determination of N-acetylcysteine in drug samples Hassan Karimi-Maleh, Mehdi Salehi, Fatemeh Faghani

CORRIGENDUM

- 1008 Corrigendum to "High-throughput liquid chromatography tandem mass spectrometry method for simultaneous determination of fampridine, paroxetine, and quinidine in rat plasma: Application to *in vivo* perfusion study" [J Food Drug Anal 24 (2016) 866–875]
 Suneetha Achanti, Raja Rajeswari Katta
 - I Acknowledgment of Reviewers
 - III Author Index
- VIII Keyword Index
- XIII Title Index