

REVIEW ARTICLES

- 445 Volatile sulfur compounds in tropical fruits
Robert J. Cannon, Chi-Tang Ho
- 469 Standards and labeling of milk fat and spread products in different countries
Chia-Lin Lee, Huei-Lin Liao, Wan-Chen Lee, Chao-Kai Hsu, Fwu-Chyn Hsueh, Jyh-Quan Pan, Chih-Hsuan Chu, Chieh-Ting Wei, Ming-Ju Chen
- 481 Regulatory analysis on the medical use of ephedrine-related products in Taiwan
Wan-Nan Yu, Li-Hsuan Wang, Hui-Wen Cheng

ORIGINAL ARTICLES

- 487 Bioactive polyphenols in kinkéliba tea (*Combretum micranthum*) and their glucose-lowering activities
Cara Welch, Jing Zhen, Emmanuel Bassène, Ilya Raskin, James Edward Simon, Qingli Wu
- 497 Characterization of key aroma-active compounds in lychee (*Litchi chinensis* Sonn.)
Shi Feng, Mingyang Huang, Jonathan Henry Crane, Yu Wang
- 504 A simple and robust quantitative analysis of retinol and retinyl palmitate using a liquid chromatographic isocratic method
Satoshi Yokota, Shigeru Oshio
- 512 Effects of electrode gap and electric current on chlorine generation of electrolyzed deep ocean water
Guoo-Shyng Wang Hsu, Shun-Yao Hsu
- 518 Systematic study on active compounds as antibacterial and antibiofilm agent in aging onions
Kavita Sharma, Neelima Mahato, Yong Rok Lee
- 529 Thyme essential oils from Spain: Aromatic profile ascertained by GC-MS, and their antioxidant, anti-lipoxygenase and antimicrobial activities
Ana-Belen Cutillas, Alejandro Carrasco, Ramiro Martinez-Gutierrez, Virginia Tomas, Jose Tudela
- 545 Modifications of Atlantic salmon by-product oil for obtaining different ω -3 polyunsaturated fatty acids concentrates: An approach to comparative analysis
Monjurul Haq, Seul-Ki Park, Min-Jung Kim, Yeon-Jin Cho, Byung-Soo Chun
- 557 Cytotoxic protobassic acid saponins from the kernels of *Palaquium formosanum*
Hsin-Yi Chen, Ju-Fang Liu, Sheng-Fa Tsai, Yi-Li Lin, Shoei-Sheng Lee
- 565 Analysis of veterinary drug residue monitoring results for commercial livestock products in Taiwan between 2011 and 2015
Hsin-Chun Lee, Chi-Min Chen, Jen-Ting Wei, Hsiu-Yi Chiu
- 572 Use of UHPLC-TripleQ with synthetic standards to profile anti-inflammatory hydroxycinnamic acid amides in root barks and leaves of *Lycium barbarum*
Siyu Wang, Joon Hyuk Suh, Wei-Lun Hung, Xi Zheng, Yu Wang, Chi-Tang Ho

- 583 Employing natural reagents from turmeric and lime for acetic acid determination in vinegar sample
Sam-ang Supharoek, Kraingkrai Ponhong, Watsaka Siriengkawut, Kate Grudpan
- 591 Antioxidant activity and calcium binding of isomeric hydroxybenzoates
Zichen Zhao, Martina Vavrusova, Leif Horsfelt Skibsted
- 599 Water-soluble polysaccharides from *Ulva intestinalis*: Molecular properties, structural elucidation and immunomodulatory activities
Mehdi Tabarsa, SangGuan You, Elham Hashem Dabaghian, Utoomporn Surayot
- 609 Relative content of gallic acid over 5-galloylquinic acid as an index for the baking intensity of oolong teas
Miki Mei-Chi Wang, Yun Yeh, Yu-En Shih, Jason Tze-Cheng Tzen
- 620 Gallic acid inhibits bladder cancer cell proliferation and migration via regulating fatty acid synthase (FAS)
Chung-Chia Liao, Shu-Chun Chen, Hui-Pei Huang, Chau-Jong Wang
- 628 Methodology for sample preparation and size measurement of commercial ZnO nanoparticles
Pei-Jia Lu, Wei-En Fu, Shou-Chieh Huang, Chun-Yen Lin, Mei-Lin Ho, Yu-Pen Chen, Hwei-Fang Cheng
- 637 Modified QuEChERS method for 24 plant growth regulators in grapes using LC-MS/MS
Chieh-Han Pu, Shao-Kai Lin, Wei-Chen Chuang, Tsyr-Horng Shyu
- 649 Silver nanoparticle biosynthesis by using phenolic acids in rice husk extract as reducing agents and dispersants
Yee-Shing Liu, Yung-Chung Chang, Hui-Huang Chen
- 657 An investigation of the olive phenols activity as a natural medicine
Faik Gökarp
- 662 Pt-MWCNT modified carbon electrode strip for rapid and quantitative detection of H₂O₂ in food
Tai-Cheng Chou, Kai-Yu Wu, Fu-Xiang Hsu, Cheng-Kang Lee
- 670 Determination of total mercury in seafood by ion-selective electrodes based on a thiol functionalized ionic liquid
Juan Miao, Xin Wang, Yunchang Fan, Jing Li, Lina Zhang, Guitao Hu, Can He, Can Jin
- 678 Characteristics of fucose-containing polysaccharides from submerged fermentation of *Agaricus blazei* Murill
Hsueh-Ting Wang, Li-Chan Yang, Hui-Ching Yu, Miaw-Ling Chen, Huei-Ju Wang, Ting-Jang Lu
- 688 HPTLC-FLD-SERS as a facile and reliable screening tool: Exemplarily shown with tyramine in cheese
Liao Wang, Xue-Ming Xu, Yi-Sheng Chen, Jie Ren, Yun-Tao Liu
- 696 Production of antioxidant and ACE-inhibitory peptides from *Kluyveromyces marxianus* protein hydrolysates: Purification and molecular docking
Mahta Mirzaei, Saeed Mirdamadi, Mohamad Reza Ehsani, Mahmoud Aminlari
- 706 Compositional analyses of white, brown and germinated forms of popular Malaysian rice to offer insight into the growing diet-related diseases
Bilyaminu Abubakar, Hafeez Muhammad Yakasai, Norhasnida Zawawi, Maznah Ismail
- 716 Sialoglycoprotein isolated from eggs of *Carassius auratus* promotes fracture healing in osteoporotic mice
Fei Wang, Lihua Han, Xiaohong Wang, Yuanyuan Li, Yujie Zhu, Jingfeng Wang, Changhu Xue
- 725 Determination of ractopamine and salbutamol in pig hair by liquid chromatography tandem mass spectrometry
Kai-Chun Chang, Yu-Ting Chang, Chin-En Tsai

- 731 Effects of vinegar-egg on growth inhibition, differentiation human leukemic U937 cells and its immunomodulatory activity
Shiu-Yu Wang, Chi-Yue Chang, Chih-Wei Chen
- 741 Immunochemical assay with monoclonal antibodies for detection of staphylococcal enterotoxin H
Natalia Vasilyevna Rudenko, Anna Petrovna Karatovskaya, Anatolyi Nikolaevich Noskov,
Anna Olegovna Shepelyakovskaya, Margarita Pavlovna Shchannikova, Irina Vladimirovna Loskutova,
Olga Anatolievna Artyemieva, Daria Alexandrovna Nikanova, Elena Alexandrovna Gladys, Fedor Alexandrovich Brovko
- 751 Rapid screening of toxic glycoalkaloids and micronutrients in edible nightshades (*Solanum* spp.)
Bo Yuan, David Byrnes, Daniel Giurleo, Thomas Villani, James E. Simon, Qingli Wu
- 761 Antibacterial activity of propolins from Taiwanese green propolis
Yue-Wen Chen, Siou-Ru Ye, Chieh Ting, Yu-Hsiang Yu
- 769 The integration of multi-platform MS-based metabolomics and multivariate analysis for the geographical origin discrimination of *Oryza sativa* L.
Dong Kyu Lim, Changyeun Mo, Jeong Hee Lee, Nguyen Phuoc Long, Ziyuan Dong, Jing Li, Jongguk Lim, Sung Won Kwon
- 778 Mulberry Leaf Extracts prevent obesity-induced NAFLD with regulating adipocytokines, inflammation and oxidative stress
Chiung-Huei Peng, Huei-Ting Lin, Dai-Jung Chung, Chien-Ning Huang, Chau-Jong Wang
- 788 Simultaneous quantification of eight organic acid components in *Artemisia capillaris* Thunb (Yinchen) extract using high-performance liquid chromatography coupled with diode array detection and high-resolution mass spectrometry
Fangjun Yu, Hao Qian, Jiayu Zhang, Jie Sun, Zhiguo Ma
- 796 Effect of drying processes on prenylflavonoid content and antioxidant activity of *Epimedium koreanum* Nakai
Yudan Zhao, Shifeng Chen, Yadan Wang, Chongning Lv, Jing Wang, Jincai Lu
- 807 General survey of Fructus Psoraleae from the different origins and chemical identification of the roasted from raw Fructus Psoraleae
Junjun Yang, Jing Yang, Jie Du, Yuxin Feng, Xin Chai, Mingming Xiao, Yuefei Wang, Xiumei Gao
- 815 Nanoparticle based bio-bar code technology for trace analysis of aflatoxin B1 in Chinese herbs
Yu-yan Yu, Yuan-yuan Chen, Xuan Gao, Yuan-yuan Liu, Hong-yan Zhang, Tong-Ying Wang
- 823 Comprehensive two-dimensional APTES-decorated MCF7-cell membrane chromatographic system for characterizing potential anti-breast-cancer components from Yuanhu-Baizhi herbal medicine pair
Xiao-Yu Wang, Xuan Ding, Yong-Fang Yuan, Le-Yi Zheng, Yan Cao, Zhen-Yu Zhu, Guo-Qing Zhang, Yi-Feng Chai, Xiao-Fei Chen, Zhan-Ying Hong
- 834 Stability-indicating spectrofluorimetric method with enhanced sensitivity for determination of vancomycin hydrochloride in pharmaceuticals and spiked human plasma: Application to degradation kinetics
Mohie Khaled Sharaf El-Din, Fawzia Ibrahim, Asmaa Kamal El-Deen, Kuniyoshi Shimizu
- 842 A validated capillary electrophoretic method for the determination of indacaterol and its application to a pharmaceutical preparation
Tufan Güray, Muzaffer Tunçel, Ulku Dilek Uysal
- 849 Pharmacokinetics, bioavailability, tissue distribution and excretion of tangeretin in rat
Wei-Lun Hung, Wei-Shan Chang, Wen-Chien Lu, Guor-Jien Wei, Yu Wang, Chi-Tang Ho, Lucy Sun Hwang
- 858 A new strategy for choosing “Q-markers” via network pharmacology, application to the quality control of a Chinese medical preparation
Wei Xiang, Tong-Chuan Suo, Hua Yu, An-Ping Li, Shou-Qing Zhang, Chun-Hua Wang, Yan Zhu, Zheng Li

- 869 *In vitro* and *in vivo* assessment of delivery of hydrophobic molecules and plasmid DNAs with PEO-PPO-PEO polymeric micelles on cornea
Feichin Hsiao, Po-Yang Huang, Takao Aoyagi, Shwu-Fen Chang, Jiahorng Liaw
- 879 Ultra-sensitive electrochemical sensing of acetaminophen and codeine in biological fluids using CuO/CuFe₂O₄ nanoparticles as a novel electrocatalyst
Foroozan Hasanpour, Masoumeh Taei, Somayeh Tahmasebi
- 887 Triple-component nanocomposite films prepared using a casting method: Its potential in drug delivery
Sadia Gilani, Sadullah Mir, Momina Masood, Abida Kalsoom Khan, Rehana Rashid, Saira Azhar, Akhtar Rasul, Muhammad Nadeem Ashraf, Muhammad Khurram Waqas, Ghulam Murtaza
- 903 Oxidative stress evoked damages leading to attenuated memory and inhibition of NMDAR-CaMKII-ERK/CREB signalling on consumption of aspartame in rat model
Ashok Iyaswamy, Ananth Kumar Kammella, Citarasu Thavasimuthu, Wankhar Wankupar, Wankhar Dapkupar, Sambantham Shanmugam, Ravindran Rajan, Sheeladevi Rathinasamy
- 917 Exploration of *Wedelia chinensis* leaf-assisted silver nanoparticles for antioxidant, antibacterial and *in vitro* cytotoxic applications
Merina Paul Das, Jeyanthi Rebecca Livingstone, Pandiyarasan Veluswamy, Jayabrata Das