

## CONTENTS

### Volume 28 Number 1 January 2017

#### Articles

- 1 Preparation and *in vitro* delivery performance of chitosan–alginate microcapsule for IgG  
*Zhiyuan Ren, Xinrong Zhang, Yu Guo, Keguang Han and Nairui Huo*
- 14 Anti-rheumatoid arthritic effect of fermented Adlay and *Achyranthes japonica* Nakai on collagen-induced arthritis in mice  
*Il-Hwa Hong, Ji-Young Choi, Ah-Young Kim, Eun-Mi Lee, Jun-Han Kim, Jin Hong Park, Sang-Won Choi and Kyu-Shik Jeong*
- 27 Inhibition of IL-4 but not IFN- $\gamma$  production by splenocytes of mice immunized with ovalbumin after oral administration of 5-hydroxymethylfurfural  
*Hamed Khodaei and Mohammad Alizadeh*
- 35 Food hypersensitivity reactions and peripheral blood eosinophilia in patients suffering from atopic dermatitis  
*J. Celakovska and J. Bukac*
- 44 Atopy patch test in examination of food allergy in patients suffering from atopic dermatitis  
*J. Vaneckova and J. Bukac*
- 49 Development of a specific monoclonal antibody assay and a rapid testing strip for the detection of apramycin residues in food samples  
*Joel Isanga, Bitange Nipa Tochi, Daniel Mukunzi, Yanni Chen, Liqiang Liu, Hua Kuang and Chuanlai Xu*
- 67 The attenuating effect of aqueous extract of licorice on bleomycin-induced pulmonary fibrosis in mice  
*Mehri Ghorashi, Mohammad Ali Rezaee, Mohammad Jafar Rezaie, Mehdi Mohammadi, Ali Jalili and Mohammad Reza Rahmani*
- 78 Nutritional composition and biological activities of 17 Chinese adzuki bean (*Vigna angularis*) varieties  
*Zhenxing Shi, Yang Yao, Yingying Zhu and Guixing Ren*
- 90 A validated UPLC-MS/MS multi-mycotoxin method for nuts and cereals: results of the official control in Cyprus within the EU requirements  
*Demetris Kafouris, Maria Christofidou, Markela Christodoulou, Eftychia Christou and Eleni Ioannou-Kakouri*
- 109 Optimization of pine nut (*Pinus koraiensis*) meal protein peptides on immunocompetence in innate and adaptive immunity response aspects  
*Songyi Lin, Xuanting Liu, Bolong Liu and Yali Yu*
- 121 Severity of atopic dermatitis in relation to food and inhalant allergy in adults and adolescents  
*J. Čelakovská and J. Bukač*
- 134 Reaction of spice proteins with serum antibodies from celiac patients and rabbit antibodies raised to specific glutamine/proline-containing peptides  
*Marta Słowianek, Dorota Mańkowska and Joanna Leszczyńska*
- 149 Expolysaccharides from *Bifidobacterium animalis* RH activates RAW 264.7 macrophages through toll-like receptor 4  
*Lei Liu, Hui Li, Ri-Hua Xu and Ping-Lan Li*

- 162 Preparation, characterization, and anti-inflammatory effect of the chelate of *Flammulina velutipes* polysaccharide with Zn  
*Shuwen Zhao, Biao Li, Guitang Chen, Qihui Hu and Liyan Zhao*

**Volume 28 Number 2 March 2017**

**Articles**

- 179 Immunomodulatory effects of *Glycyrrhiza uralensis* polysaccharide in glycinin-induced allergic mouse model  
*Jie Chen, Xinli Gu, Jianguo Chen, Yan Luo, Mengyuan Wang, Hongyang Yang, Xiao Guo and Xiaoqing Zhu*
- 189 Evaluation of electron beam irradiation to reduce the IgE binding capacity of frozen shrimp tropomyosin  
*Yixuan Liu, Zhaojie Li, Tushar Pavase, Zhenxing Li, Yumin Liu and Ning Wang*
- 202 *Aster yomena* suppresses LPS-induced cyclooxygenase-2 and inducible nitric oxide synthase expression  
*Ji-Soo Kim, Ah-Yeon Kim, Hyeon-Myeong Shin, Sang-Il Ahn, Hyun-Jin Shim, Kung-Woo Nam, Kyung-A Hwang and Hyung-Sun Youn*
- 211 Hepatoprotective effects of phloretin against CCl<sub>4</sub>-induced liver injury in mice  
*Yalong Lu, Jinwen Chen, Daoyuan Ren, Xingbin Yang and Yan Zhao*
- 223 Is the role of IgA in local immunity completely known?  
*Robert Herich*
- 238 Sensitivity and specificity of specific IgE, skin prick test and atopy patch test in examination of food allergy  
*J. Čelakovská, I. Krcmova, J. Bukac and J. Vaneckova*
- 248 Development and application of an immunoaffinity column clean-up for enrofloxacin determination in food samples  
*Yadan Wang, Yamei Yang, Rui Niu, Xinsheng Zhu, Min Qiang, Gang Niu and Yun Wang*
- 260 Development of indirect competitive ELISA and lateral-flow immunochromatographic assay strip for the detection of sterigmatocystin in cereal products  
*Dezhao Kong, Zhengjun Xie, Liqiang Liu, Shanshan Song, Hua Kuang, Gang Cui and Chuanlai Xu*
- 274 Gold nanoparticle-based paper sensor for multiple detection of 12 *Listeria* spp. by P60-mediated monoclonal antibody  
*Wenbin Wang, Liqiang Liu, Shanshan Song, Liguang Xu, Jianping Zhu and Hua Kuang*
- 288 Development of an icELISA and immunochromatographic strip for detection of norfloxacin and its analogs in milk  
*Juan Peng, Liqiang Liu, Hua Kuang, Gang Cui and Chuanlai Xu*
- 299 Botryoid-shaped nanoparticles-enhanced ELISA for ochratoxin A  
*Yan Zhu, Chun-Li Liu, Zheng-Jun Xie, Li-Qiang Liu, Chi-Fang Peng and Feng Xue*
- 310 Effects of food allergens on asthma exacerbations in schoolchildren with atopic asthma  
*Kong-Sang Wan, Wei-Fong Wu, Yu-Cheng Liu, Che-Sheng Huang, Chyi-Sen Wu, Chia-Wei Hung and Yung-Sen Chang*
- 315 A review of enhancers for chemiluminescence enzyme immunoassay  
*Ge Chen, Maojun Jin, Pengfei Du, Chan Zhang, Xueyan Cui, Yudan Zhang, Jing Wang, Fen Jin, Yongxin She, Hua Shao, Shanshan Wang and Lufei Zheng*

- 328 Alleviation of cyclophosphamide-induced immunosuppression in mice by naturally acetylated hemicellulose from bamboo shavings  
*Ju-qing Huang, Mei-rong Pang, Guang-yu Li, Nan Wang, Lu Jin and Ying Zhang*
- 343 *Myrica rubra* leaves as a potential source of a dual 5-LOX/COX inhibitor  
*Lenka Langhansova, Premysl Landa, Zsofia Kutil, Jan Tauchen, Petr Marsik, Jan Rezek, Ji Dong Lou, Zhu Li Yun and Tomas Vanek*