

## Contents

### Original Research

- Chestnut extract induces apoptosis in AGS human gastric cancer cells  
*Hyun Sook Lee, Eun Ji Kim and Sun Hyo Kim* ..... 185
- Effects of *Panicum miliaceum* L. extract on adipogenic transcription factors and fatty acid accumulation in 3T3-L1 adipocytes  
*Mi-Young Park, Dong-Won Seo, Jin-Young Lee, Mi-Kyung Sung, Young-Min Lee, Hwan-Hee Jang, Hae-Yeon Choi, Jae-Hyn Kim and Dong-Sik Park* ..... 192
- Herbal extract THI improves metabolic abnormality in mice fed a high-fat diet  
*Sora Han, Ki Sook Oh, Yoosik Yoon, Jeong Su Park, Yun Sun Park, Jeong Hye Han, Ae Lee Jeong, Sunyi Lee, Miyoung Park, Yeon A Choi, Jong Seok Lim and Young Yang* ..... 198
- Exercise training and selenium or a combined treatment ameliorates aberrant expression of glucose and lactate metabolic proteins in skeletal muscle in a rodent model of diabetes  
*Seung-Suk Kim, Jung-Hoon Koo, In-Su Kwon, Yoo-Sung Oh, Sun-Jang Lee, Eung Joon Kim, Won-Kyu Kim, Jin Lee and Joon-Yong Cho* ..... 205
- High glucose diets shorten lifespan of *Caenorhabditis elegans* via ectopic apoptosis induction  
*Shin Sik Choi* ..... 214
- High fat diet-induced obesity leads to proinflammatory response associated with higher expression of NOD2 protein  
*Min Soo Kim, Myung-Sook Choi and Sung Nim Han* ..... 219
- Effect of processed foods on serum levels of eosinophil cationic protein among children with atopic dermatitis  
*Ji Min Lee, Hyun Jung Jin, Geounwoong Noh and Sang Sun Lee* ..... 224
- Comparison of nutrient intake by sleep status in selected adults in Mysore, India  
*Sara Sarrafi Zadeh and Khyrumisa Begum* ..... 230
- Correlation between attention deficit hyperactivity disorder and sugar consumption, quality of diet, and dietary behavior in school children  
*Yujeong Kim and Hyeja Chang* ..... 236
- External cross-validation of bioelectrical impedance analysis for the assessment of body composition in Korean adults  
*Hyeojin Kim, Chul-Hyun Kim, Dong-Won Kim, Mira Park, Hye Soon Park, Sun-Seek Min, Seung-Ho Han, Jae-Yong Lee and Chan Kim* ..... 246
- Survey of American food trends and the growing obesity epidemic  
*Qin Shao and Khew-Voon Chin* ..... 253
- Development and evaluation of a food frequency questionnaire for Vietnamese female immigrants in Korea: the Korean Genome and Epidemiology Study (KoGES)  
*Sun Hye Kim, Ha Ney Choi, Ji-Yun Hwang, Namsoo Chang, Wha Young Kim, Hye Won Chung and Yoon Jung Yang* ..... 260
- Nutritional intake of Korean population before and after adjusting for within-individual variations: 2001 Korean National Health and Nutrition Survey Data  
*Dong Woo Kim, Jae Eun Shim, Hee Young Paik, Won O Song and Hyojee Joung* ..... 266