

### CONTENTS

#### ARTICLES

- Effects of edible bird's nest on tumour necrosis factor-alpha secretion, nitric oxide production and cell viability of lipopolysaccharide-stimulated RAW 264.7 macrophages  
*B. Vimala, H. Hussain and W.M. Wan Nazaimoon* 303
- Development of an antigen-biotin conjugate with a protein bridge and its application for the development of an enzyme immunoassay  
*Viviana Graciela Spotorno and Jorge Guillermo Tezón* 315
- Electrochemiluminescence immunosorbent assay of ricin in ground beef: biotinylated capture antibodies and matrix effects  
*David L. Brandon* 329
- Development of enzyme-linked immunosorbent assay for rapid determination of sildenafil in adulterated functional foods  
*Y. Song, Y.Y. Wang, Y. Zhang and S. Wang* 338
- Studies of the protective effect and antioxidant mechanism of blueberry anthocyanins in a CC14-induced liver injury model in mice  
*Jian Chen, Hongnan Sun, Aidong Sun, Qin hua Lin, Yin Wang and Xiaoyun Tao* 352
- Humoral immune response in mice immunised by oral and subcutaneous routes with Isosoy proteins  
*Silmária Celestino Costa Santos, Ana Raquel Araújo da Silva, Maria Erivalda Farias de Aragao, Marcelo Róseo de Oliveira, Francisco Malcides Pereira Lucena, Lia Magalhães de Almeida, Jheyne Ariana Queiroz, Paulo Fernando Machado Paredes and Maria Izabel Florindo Guedes* 363