

## Contents

### Review Articles

- Dairy constituents and neurocognitive health in ageing.  
*D. A. Camfield, L. Owen, A. B. Scholey, A. Pipingas & C. Stough* 159–174
- Adjusting diet with sapropterin in phenylketonuria: what factors should be considered?  
*A. MacDonald, K. Ahring, K. Dokoupil, H. Gokmen-Ozel, A. M. Lammardo, K. Motzfeldt, M. Robert, J. C. Rocha, M. van Rijn & A. Bélanger-Quintana* 175–182
- Vitamin B<sub>6</sub>: a challenging link between nutrition and inflammation in CVD.  
*V. Lotto, S.-W. Choi & S. Friso* 183–195
- The efficacy of *Phaseolus vulgaris* as a weight-loss supplement: a systematic review and meta-analysis of randomised clinical trials.  
*I. Onakpoya, S. Aldaas, R. Terry & E. Ernst* 196–202

### Short Communication

- Effect of food form on postprandial plasma amino acid concentrations in older adults.  
*T. B. Conley, J. W. Apolzan, H. J. Leidy, K. A. Greaves, E. Lim & W. W. Campbell* 203–207
- Consumption of a DHA-containing functional food during pregnancy is associated with lower infant ponderal index and cord plasma insulin concentration.  
*A. B. Courville, O. Harel & C. J. Lammi-Keefe* 208–212
- Autophagy up-regulation by early weaning in the liver, spleen and skeletal muscle of piglets.  
*S. Zhang, X. Li, L. Li & X. Yan* 213–217

### Metabolism and Metabolic Studies

- Effect of *trans*-fat, fructose and monosodium glutamate feeding on feline weight gain, adiposity, insulin sensitivity, adipokine and lipid profile.  
*K. S. Collison, M. Z. Zaidi, S. M. Saleh, A. Inglis, R. Mondreal, N. J. Makhoul, R. Bakheet, J. Burrows, N. W. Milgram & F. A. Al-Mohanna* 218–226
- Evidence for a role of the ileum in the control of nitrogen homeostasis via the regulation of arginine metabolism.  
*G. Ventura, C. Moinard, F. Sinico, V. Carrière, V. Lasserre, L. Cynober & J. P. De Bandt* 227–236

### Nutritional Endocrinology

- Relationships of maternal zinc intake from animal foods with fetal growth.  
*Y. A. Lee, J.-Y. Hwang, H. Kim, E.-H. Ha, H. Park, M. Ha, Y. Kim, Y.-C. Hong & N. Chang* 237–242
- Geographical distribution of drinking-water with high iodine level and association between high iodine level in drinking-water and goitre: a Chinese national investigation.  
*H. Shen, S. Liu, D. Sun, S. Zhang, X. Su, Y. Shen & H. Han* 243–247

### Human and Clinical Nutrition

- Protein and fat modify the glycaemic and insulinaemic responses to a mashed potato-based meal.  
*K. A. Hätönen, J. Virtamo, J. G. Eriksson, H. K. Sinkko, J. E. Sundvall & L. M. Valsta* 248–253

### Dietary Survey and Nutritional Epidemiology

- Estimation of total antioxidant capacity from diet and supplements in US adults.  
*M. Yang, S.-J. Chung, C. E. Chung, D.-O. Kim, W. O. Song, S. I. Koo & O. K. Chun* 254–263

### Innovative Technique

- An integrative *in vitro* approach to analyse digestion of wheat polysaccharides and the effect of enzyme supplementation.  
*M. Lafond, B. Bouza, S. Eyrichine, E. Bonnin, E. H. Crost, P.-A. Geraert, T. Giardina & E. H. Ajandouz* 264–273

### Behaviour, Appetite and Obesity

- Self-reported energy intake by FFQ compared with actual energy intake to maintain body weight in 516 adults.  
*E. Siebelink, A. Geelen & J. H. M. de Vries* 274–281

(Contents continued from back cover)

- Effects of a high-protein, low-carbohydrate *v.* high-protein, moderate-carbohydrate weight-loss diet on antioxidant status, endothelial markers and plasma indices of the cardiometabolic profile.  
*A. M. Johnstone, G. E. Lobley, G. W. Horgan, D. M. Bremner, C. L. Fyfe, P. C. Morrice & G. G. Duthie* 282–291
- Early high-sodium solid diet does not affect sodium intake, sodium preference, blood volume and blood pressure in adult Wistar-Kyoto rats.  
*M. Ufnal, A. Drapala, M. Sikora & T. Zera* 292–296
- Eating behaviour and retro-nasal aroma release in normal-weight and overweight adults: a pilot study.  
*N. Zijlstra, A. J. Bukman, M. Mars, A. Stafleu, R. M. A. J. Ruijschop & C. de Graaf* 297–306