

Short Communications

- New Zealand green-lipped mussels (*Perna canaliculus*) enhance non-haem iron absorption *in vitro*.
R. J. C. Stewart, J. Coad, G. W. Reynolds & K. C. Pedley 949–952
- Faecal microbiota composition in vegetarians: comparison with omnivores in a cohort of young women in southern India.
J. Kabeerdoss, R. S. Devi, R. R. Mary & B. S. Ramakrishna 953–957
- Greater stimulation of myofibrillar protein synthesis with ingestion of whey protein isolate v. micellar casein at rest and after resistance exercise in elderly men.
N. A. Burd, Y. Yang, D. R. Moore, J. E. Tang, M. A. Tarnopolsky & S. M. Phillips 958–962

Molecular Nutrition

- Carotenoid exposure of Caco-2 intestinal epithelial cells did not affect selected inflammatory markers but altered their proteomic response.
A. Kaulmann, T. Serchi, J. Renaut, L. Hoffmann & T. Bohn 963–973
- Antioxidant and anti-inflammatory effect of conjugated linolenic acid isomers against streptozotocin-induced diabetes.
S. S. Saha & M. Ghosh 974–983
- Antioxidative effects of the spice cardamom against non-melanoma skin cancer by modulating nuclear factor erythroid-2-related factor 2 and NF- κ B signalling pathways.
I. Das, A. Acharya, D. L. Berry, S. Sen, E. Williams, E. Permaul, A. Sengupta, S. Bhattacharya & T. Saha 984–997
- A gestational low-protein diet represses p21^{WAF1/Cip1} expression in the mammary gland of offspring rats through promoter histone modifications.
S. Zheng, M. Rollet, K. Yang & Y.-X. Pan 998–1007

Metabolism and Metabolic Studies

- High-performance inulin and oligofructose prebiotics increase the intestinal absorption of iron in rats with iron deficiency anaemia during the growth phase.
K.d. C. Freitas, O. M. S. Amancio & M. B. de Moraes 1008–1016
- Association of vitamin K status with adiponectin and body composition in healthy subjects: uncarboxylated osteocalcin is not associated with fat mass and body weight.
M. H. J. Knapen, L. J. Schurgers, M. J. Shearer, P. Newman, E. Theuwissen & C. Vermeer 1017–1024
- Tissue-specific expression of Sproutyl in mice protects against high-fat diet-induced fat accumulation, bone loss and metabolic dysfunction.
S. Urs, T. Henderson, P. Le, C. J. Rosen & L. Liaw 1025–1033
- Effects of ethanol consumption on the B-group vitamin contents of liver, blood and urine in rats.
A. Miyazaki, M. Sano, T. Fukuwatari & K. Shibata 1034–1041
- A soyabean diet does not modify the activity of brown adipose tissue but alters the rate of lipolysis in the retroperitoneal white adipose tissue of male rats recovering from early-life malnutrition
A. A. Paiva, J. Z. Faiad, M. S. Taki, S. R. de Lima Reis, L. M. I. de Souza, M. P. dos Santos, V. E. Chaves, N. H. Kawashita, H. Coutinho F. de Oliveira, H. F. Raposo, E. M. Carneiro, M. Q. Latorraca, M. H. G. Gomes-da-Silva & M. S. F. Martins 1042–1051

Nutritional Endocrinology

- Effect of vitamin D supplementation during pregnancy on neonatal mineral homeostasis and anthropometry of the newborn and infant.
P. Kalra, V. Das, A. Agarwal, M. Kumar, V. Ramesh, E. Bhatia, S. Gupta, S. Singh, P. Saxena & V. Bhatia 1052–1058



Nutritional Immunology

Egyptian sweet marjoram leaves protect against genotoxicity, immunosuppression and other complications induced by cyclophosphamide in albino rats.

G. Ramadan, N. M. El-Beih & M. M. Zahra

1059–1068

Dietary arginine supplementation alleviates immune challenge induced by *Salmonella enterica* serovar Choleraesuis bacterin potentially through the Toll-like receptor 4-myeloid differentiation factor 88 signalling pathway in weaned piglets.

Y. Chen, D. Chen, G. Tian, J. He, X. Mao, Q. Mao & B. Yu

1069–1076

Dietary Surveys and Nutritional Epidemiology

Fruit, vegetables, fibre and micronutrients and risk of US renal cell carcinoma.

K. E. Brock, L. Ke, G. Gridley, B. C.-H. Chiu, A. G. Ershow, C. F. Lynch, B. I. Graubard & K. P. Cantor

1077–1085

Daily eating frequency and cardiometabolic risk factors in young Australian adults: cross-sectional analyses.

K. J. Smith, L. Blizzard, S. A. McNaughton, S. L. Gall, T. Dwyer & A. J. Venn

1086–1094

Intake estimation of total and individual flavan-3-ols, proanthocyanidins and theaflavins, their food sources and determinants in the European Prospective Investigation into Cancer and Nutrition (EPIC) study.

V. Knaze, R. Zamora-Ros, L. Luján-Barroso, I. Romieu, A. Scalbert, N. Slimani, E. Riboli, Caroline T. M. van Rossum, H. Bas Bueno-de-Mesquita, A. Trichopoulou, V. Dilis, K. Tsiotas, G. Skeie, D. Engeset, J. R. Quirós, E. Molina, J. M. Huerta, F. Crowe, E. Wirfäl, U. Ericson, P. H. M. Peeters, R. Kaaks, B. Teucher, G. Johansson, I. Johansson, R. Tumino, H. Boeing, D. Drogan, P. Amiano, A. Mattiello, K.-T. Khaw, R. Luben, V. Krogh, E. Ardanáz, C. Sacerdote, S. Salvini, K. Overvad, A. Tjønneland, A. Olsen, M.-C. Boutron-Ruault, G. Fagherazzi, F. Perquier & C. A. González

1095–1108

Reliability, comparative validity and stability of dietary patterns derived from an FFQ in the Tehran Lipid and Glucose Study.

G. Asghari, A. Rezazadeh, F. Hosseini-Esfahani, Y. Mehrabi, P. Mirmiran & F. Azizi

1109–1117

Predicting urinary creatinine excretion and its usefulness to identify incomplete 24 h urine collections.

W. De Keyzer, I. Huybrechts, A. L. M. Dekkers, A. Geelen, S. Crispim, P. J. M. Hulshof, L. F. Andersen, I. Řehůřková, J. Ruprich, J.-L. Volatier, G. Van Maele, N. Slimani, P. van't Veer, E. de Boer & S. De Henauw on behalf of the EFCOVAL consortium

1118–1125

Behaviour, Appetite and Obesity

The effect of a fictitious peer on young children's choice of familiar v. unfamiliar low- and highenergy-dense foods.

K. E. Bevelander, D. J. Anschutz & R. C. M. E. Engels

1126–1133

Dietary and physical activity behaviours related to obesity-specific quality of life and work productivity: baseline results from a worksite trial.

S. W. Cash, S. A. A. Beresford, J. A. Henderson, A. McTiernan, L. Xiao, C. Y. Wang & D. L. Patrick

1134–1142