

Horizons in Nutritional Science

- The role of the circadian clock system in nutrition and metabolism.
F. R. Cagampang & K. D. Bruce 381–392

Invited Commentaries

- Dietary patterns: the importance of sex differences.
K. Northstone 393–394
- Why soft drink taxes will not work.
J.T. Winkler 395–396
- The secret story of fish: decreasing nutritional value due to pollution?
J. Ruzzin & D. R. Jacobs Jr 397–399

Systematic Review with Meta-analysis

- Homocysteine-lowering therapy does not lead to reduction in cardiovascular outcomes in chronic kidney disease patients: a meta-analysis of randomised, controlled trials.
Y. Pan, L. L. Guo, L. L. Cai, X. J. Zhu, J. L. Shu, X. L. Liu & H. M. Jin 400–407
- Association of fish and *n*-3 fatty acid intake with the risk of type 2 diabetes: a meta-analysis of prospective studies.
Y. Zhou, C. Tian & C. Jia 408–417
- 'Catalytic' doses of fructose may benefit glycaemic control without harming cardiometabolic risk factors: a small meta-analysis of randomised controlled feeding trials.
J. L. Sievenpiper, L. Chiavaroli, R. J. de Souza, A. Mirrahimi, A. I. Cozma, V. Ha, D. Wang, M. E. Yu, A. J. Carleton, J. Beyene, M. Di Buono, A. L. Jenkins, L. A. Leiter, T. M. S. Wolever, C. W. C. Kendall & D. J. A. Jenkins 418–423

Molecular Nutrition

- How can food extracts consumed in the Mediterranean and East Asia suppress prostate cancer proliferation?
M. Yao, C. Xie, M. Constantine, S. Hua, B. D. Hambly, G. Jardine, P. Sved & Q. Dong 424–430
- Lycopene inhibits angiogenesis in human umbilical vein endothelial cells and rat aortic rings.
S. Elgass, A. Cooper & M. Chopra 431–439

Metabolism and Metabolic Studies

- Curcumin-supplemented yoghurt improves physiological and biochemical markers of experimental diabetes.
V. O. Gutierrez, C. M. Pinheiro, R. P. Assis, R. C. Vendramini, M. T. Pepato & I. L. Brunetti 440–448

Nutritional Endocrinology

- Circulating 25-hydroxyvitamin D levels in relation to blood pressure parameters and hypertension in the Shanghai Women's and Men's Health Studies.
T. Dorjgochoo, X. Ou Shu, Y.-B. Xiang, G. Yang, Q. Cai, H. Li, B.-T. Ji, H. Cai, Y.-T. Gao & W. Zheng 449–458

Nutritional Immunology

- Comparative effects of six probiotic strains on immune function *in vitro*.
H. Dong, I. Rowland & P. Yaqoob 459–470

Microbiology

- Impact of polydextrose on the faecal microbiota: a double-blind, crossover, placebo-controlled feeding study in healthy human subjects.
A. Costabile, F. Fava, H. Röytiö, S. D. Forssten, K. Olli, J. Klievink, I. R. Rowland, A. C. Ouwehand, R. A. Rastall, G. R. Gibson & G. E. Walton 471–481
- Responses in digestion, rumen fermentation and microbial populations to inhibition of methane formation by a halogenated methane analogue.
M. Mitsumori, T. Shinkai, A. Takenaka, O. Enishi, K. Higuchi, Y. Kobayashi, I. Nonaka, N. Asanuma, S. E. Denman & C. S. McSweeney 482–491

Human and Clinical Nutrition

- A comparison of the changes in cardiac output and systemic vascular resistance during exercise following high-fat meals containing DHA or EPA.
V. G. Rontoyanni, W. L. Hall, S. Pombo-Rodrigues, A. Appleton, R. Chung & T. A. B. Sanders 492–499
- Expression of proinflammatory, proatherogenic genes is reduced by the Mediterranean diet in elderly people.
A. Camargo, J. Delgado-Lista, A. Garcia-Rios, C. Cruz-Teno, E. M. Yubero-Serrano, P. Perez-Martinez, F. M. Gutierrez-Mariscal, P. Lora-Aguilar, F. Rodriguez-Cantalejo, F. Fuentes-Jimenez, F. J. Tinahones, M. M. Malagon, F. Perez-Jimenez & J. Lopez-Miranda 500–508
- The acute effects of a pulse-containing meal on glycaemic responses and measures of satiety and satiation within and at a later meal.
R. C. Mollard, A. Zykus, B. L. Luhovyy, M. F. Nunez, C. L. Wong & G. H. Anderson 509–517

Dietary Surveys and Nutritional Epidemiology

- Parents' dietary patterns are significantly correlated: findings from the Melbourne Infant Feeding Activity and Nutrition Trial Program.
S. Lioret, S. A. McNaughton, D. Crawford, A. C. Spence, K. Hesketh & K. J. Campbell 518–526
- Simulation of total dietary iodine intake in Flemish preschool children.
S. Vandevijvere, Y. Lin, R. Moreno-Reyes & I. Huybrechts 527–535
- Patterns and trends of beverage consumption among children and adults in Great Britain, 1986–2009.
S. W. Ng, C. Ni Mhurchu, S. A. Jebb & B. M. Popkin 536–551
- Comparison of standardised dietary folate intake across ten countries participating in the European Prospective Investigation into Cancer and Nutrition.
J. Young Park, G. Nicolas, H. Freisling, C. Biessy, A. Scalbert, I. Romieu, V. Chajés, S.-C. Chuang, U. Ericson, P. Wallström, M. M. Ros, P. H. M. Peeters, A. Mattiello, D. Palli, J. M. Huerta, P. Amiano, J. Halkjær, C. C. Dahm, A. Trichopoulou, P. Orfanos, B. Teucher, S. Feller, G. Skeie, D. Engeset, M.-C. Boutron-Ruault, F. Clavel-Chapelon, F. Crowe, K.-T. Khaw, P. Vineis & N. Slimani 552–569