

Molecular Nutrition

Toll-like receptors 1–9 are elevated in livers with fructose-induced hepatic steatosis.
S. Wagnerberger, A. Spruss, G. Kanuri, V. Volynets, C. Stahl, S. C. Bischoff & I. Bergheim 1727–1738

D-Fagomine lowers postprandial blood glucose and modulates bacterial adhesion.
L. Gómez, E. Molinar-Toribio, M. Á. Calvo-Torras, C. Adelantado, M. E. Juan, J. M. Planas, X. Cañas, C. Lozano, S. Pumarola, P. Clapés & J. L. Torres 1739–1746

Metabolism and Metabolic Studies

Effects of alanine aminotransferase inhibition on the intermediary metabolism in *Sparus aurata* through dietary amino-oxyacetate supplementation.
J. D. González, A. Caballero, I. Viegas, I. Metón, J. G. Jones, J. Barra, F. Fernández & I. V. Baanante 1747–1756

Coffee polyphenols modulate whole-body substrate oxidation and suppress postprandial hyperglycaemia, hyperinsulinaemia and hyperlipidaemia.
T. Murase, Y. Yokoi, K. Misawa, H. Ominami, Y. Suzuki, Y. Shibuya & T. Hase 1757–1765

Effects of plant sterol esters in skimmed milk and vegetable-fat-enriched milk on serum lipids and non-cholesterol sterols in hypercholesterolaemic subjects: a randomised, placebo-controlled, crossover study.
P. Casas-Agustench, M. Serra, A. Pérez-Heras, M. Cofán, X. Pintó, E. A. Trautwein & E. Ros 1766–1775

Nutritional Toxicology

Chronic ingestion of deoxynivalenol and fumonisin, alone or in interaction, induces morphological and immunological changes in the intestine of piglets.
A.-P. F. L. Bracarense, J. Luciola, B. Grenier, G. D. Pacheco, W.-D. Moll, G. Schatzmayr & I. P. Oswald 1776–1786

Fructo-oligosaccharide systemically diminished D-galactose-induced oxidative molecule damages in BALB/cJ mice.
C.-H. Hsia, C.-H. Wang, Y.-W. Kuo, Y.-J. Ho & H.-L. Chen 1787–1792

Microbiology

Combination of *Lactobacillus helveticus* R0052 and *Bifidobacterium longum* R0175 reduces post-myocardial infarction depression symptoms and restores intestinal permeability in a rat model.
J. Arseneault-Bréard, I. Rondeau, K. Gilbert, S.-A. Girard, T. A. Tompkins, R. Godbout & G. Rousseau 1793–1799

Human and Clinical Nutrition

Argan oil improves surrogate markers of CVD in humans.
S. Sour, M. Belarbi, D. Khaldi, N. Benmansour, N. Sari, A. Nani, F. Chemat & F. Visioli 1800–1805

Iron requirements based upon iron absorption tests are poorly predicted by haematological indices in patients with inactive inflammatory bowel disease.
M. C. E. Lomer, W. B. Cook, H. J. B. Jan-Mohamed, C. Hutchinson, D. Y. Liu, R. C. Hider & J. J. Powell 1806–1811

A risk–benefit analysis approach to seafood intake to determine optimal consumption.
V. Sirot, J.-C. Leblanc & I. Margaritis 1812–1822

Breakfast glycaemic index and cognitive function in adolescent school children.
S. B. Cooper, S. Bandelow, M. L. Nute, J. G. Morris & M. E. Nevill 1823–1832

Effects on nutrient intake of a family-based intervention to promote increased consumption of low-fat starchy foods through education, cooking skills and personalised goal setting: the Family Food and Health Project.
P. J. Curtis, A. J. Adamson & J. C. Mathers 1833–1844

Ceylon cinnamon does not affect postprandial plasma glucose or insulin in subjects with impaired glucose tolerance.
J. Wickenberg, S. Lindstedt, K. Berntorp, J. Nilsson & J. Hlebowicz 1845–1849

Cardiorespiratory fitness and dietary intake in European adolescents: the Healthy Lifestyle in Europe by Nutrition in Adolescence study.
M. Cuenca-García, F. B. Ortega, I. Huybrechts, J. R. Ruiz, M. González-Gross, C. Ottevaere, M. Sjöström, L. E. Diaz, D. Ciarapica, D. Molnar, F. Gottrand, M. Plada, Y. Manios, L. A. Moreno, S. De Henauw, M. Kersting & M. J. Castillo on behalf of the HELENA study group 1850–1859

Dietary Surveys and Nutritional Epidemiology

Seasonality of the dietary dimension of household food security in urban Burkina Faso.
E. Becquey, F. Delpeuch, A. M. Konaté, H. Delsol, M. Lange, M. Zoungrana & Y. Martin-Prevel 1860–1870

Evaluation of general nutrition knowledge in elite Australian athletes.
J. K. Spendlove, S. E. Heaney, J. A. Gifford, T. Prvan, G. S. Denyer & H. T. O'Connor 1871–1880