

**Review Article**

- The effect of dietary fibre on reducing the glycaemic index of bread.  
*F. Scazzina, S. Siebenhandl-Ehn & N. Pellegrini* 1163–1174

**Molecular Nutrition**

- Effect of ration size on fillet fatty acid composition, phospholipid allostasis and mRNA expression patterns of lipid regulatory genes in gilthead sea bream (*Sparus aurata*).  
*L. Benedito-Palos, J. A. Calduch-Giner, G. F. Ballester-Lozano & J. Pérez-Sánchez* 1175–1187
- Colon cancer cell chemosensitisation by fish oil emulsion involves apoptotic mitochondria pathway.  
*V. Granci, F. Cai, E. Lecumberri, A. Clerc, Y. M. Dupertuis & C. Pichard* 1188–1195

**Metabolism and Metabolic Studies**

- Umbilical cord PUFA are determined by maternal and child fatty acid desaturase (*FADS*) genetic variants in the Avon Longitudinal Study of Parents and Children (ALSPAC).  
*E. Lattka, B. Koletzko, S. Zeilinger, J. R. Hibbeln, N. Klopp, S. M. Ring & C. D. Steer* 1196–1210
- Rumen fermentation and microbial population in lactating dairy cows receiving diets containing oilseeds rich in C-18 fatty acids.  
*M. Ivan, H. V. Petit, J. Chiquette & A.-D. G. Wright* 1211–1218

**Human and Clinical Nutrition**

- Body composition in older community-dwelling adults with hip fracture: portable field methods validated by dual-energy X-ray absorptiometry.  
*A. M. Villani, M. Miller, I. D. Cameron, S. Kurrle, C. Whitehead & M. Crotty* 1219–1229
- Meat supplementation increases arm muscle area in Kenyan schoolchildren.  
*C. G. Neumann, L. Jiang, R. E. Weiss, M. Grillenberger, C. A. Gewa, J. H. Siekmann, S. P. Murphy & N. O. Bwibo* 1230–1240
- Negative effect of a low-carbohydrate, high-protein, high-fat diet on small peripheral artery reactivity in patients with increased cardiovascular risk.  
*J. Merino, R. Kones, R. Ferré, N. Plana, J. Girona, G. Aragonés, D. Ibarretxe, M. Heras & L. Masana* 1241–1247

**Dietary Surveys and Nutritional Epidemiology**

- Vitamin D status of Irish adults: findings from the National Adult Nutrition Survey.  
*K. D. Cashman, S. Muldowney, B. McNulty, A. Nugent, A. P. FitzGerald, M. Kiely, J. Walton, M. J. Gibney & A. Flynn* 1248–1256
- Prevalence and determinants of misreporting among European children in proxy-reported 24 h dietary recalls.  
*C. Börnhorst, I. Huybrechts, W. Ahrens, G. Eiben, N. Michels, V. Pala, D. Molnár, P. Russo, G. Barba, S. Bel-Serrat, L. A. Moreno, S. Papoutsou, T. Veidebaum, H.-M. Loit, L. Lissner & I. Pigeot on behalf of the IDEFICS consortium* 1257–1265
- Association of high-sensitivity C-reactive protein with cardiometabolic risk factors and micronutrient deficiencies in adults of Ouagadougou, Burkina Faso.  
*A. N. Zeba, H. F. Delisle, C. Rossier & G. Renier* 1266–1275

- Contribution of foods consumed away from home to energy intake in Brazilian urban areas: the 2008–9 Nationwide Dietary Survey.  
*I. N. Bezerra, A. de Moura Souza, R. A. Pereira & R. Sichieri* 1276–1283
- Prevalence of hyperhomocysteinaemia and its major determinants in rural Chinese hypertensive patients aged 45–75 years.  
*Y. Wang, X. Li, X. Qin, Y. Cai, M. He, L. Sun, J. Li, Y. Zhang, G. Tang, B. Wang, N. Sun, X. Xu, L. Liu, X. Xu & Y. Huo* 1284–1293
- Total protein, animal protein and physical activity in relation to muscle mass in middle-aged and older Americans.  
*M. S. Morris & P. F. Jacques* 1294–1303
- A UK and Irish survey of enteral nutrition practices in paediatric intensive care units.  
*L. Tume, B. Carter & L. Latten* 1304–1322

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### ***Innovative Techniques***

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- Reversible brain response to an intragastric load of L-lysine under L-lysine depletion in conscious rats.  
*T. Tsurugizawa, A. Uematsu, H. Uneyama & K. Torii* 1323–1329

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### ***Behaviour, Appetite and Obesity***

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- The effects of bulking, viscous and gel-forming dietary fibres on satiation.  
*A. J. Wanders, M. C. Jonathan, J. J. G. C. van den Borne, M. Mars, H. A. Schols, E. J. M. Feskens & C. de Graaf* 1330–1337
- Dietary galacto-oligosaccharides and calcium: effects on energy intake, fat-pad weight and satiety-related, gastrointestinal hormones in rats.  
*J. Overduin, M. H. C. Schoterman, W. Calame, A. J. Schonewille & S. J. M. Ten Bruggencate* 1338–1348