

Directions to Contributors can be found at [journals.cambridge.org/bjn](http://journals.cambridge.org/bjn)

**British Journal of Nutrition**  
*Volume 110, 2013* ISSN: 0007-1145

**Publishing, Production, Marketing, and  
Subscription Sales Office:**

Cambridge University Press  
The Edinburgh Building  
Shaftesbury Road  
Cambridge CB2 8RU, UK

**For Customers in North America:**

Cambridge University Press  
Journals Fulfillment Department  
100 Brook Hill Drive  
West Nyack  
New York 10994-2133  
USA

**Publisher:** Katy Christomanou

**Special sales and supplements:**

This Journal accepts relevant advertisements and inserts. We also provide bulk reprints of suitable papers to meet teaching or promotional requirements. The journal also publishes supplements on behalf of academic and corporate collaborators. Please contact Sarah Maddox at the Cambridge address for further details. E-mail: [special\\_sales@cambridge.org](mailto:special_sales@cambridge.org)

**Subscription information:**

*British Journal of Nutrition* is an international journal published by Cambridge University Press on behalf of The Nutrition Society. The twelve issues starting January 2013 comprise Volume 109, the twelve issues starting July 2013 comprise Volume 110.

**Annual subscription rates:**

Volumes 109/110 (24 issues):  
Internet/print package £1302/\$2538/€2085  
Internet only: £956/\$1864/€1527

Any **supplements** to this journal published in the course of the annual volume are normally supplied to subscribers at no extra charge.

**Back volumes** are available. Please contact Cambridge University Press for further information.

**Claims** for non-receipt of journal issues will be considered on their merit and only if the claim is received within six months of publication. Replacement copies supplied after this date will be chargeable.

**US POSTMASTERS:** please send address corrections to *British Journal of Nutrition*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133.

**Directions to Contributors** are available from the Society at the address below or can be found on the Society's website at <http://www.nutrition society.org> (an abbreviated Notes for Authors can be found inside the back cover).

**Offprints:** The author (or main author) of an accepted paper will receive a copy of the PDF file of their article. There will be an option to purchase paper offprints, these should be ordered at proof stage. No page charges are levied by this journal.

**Copyright:** As of 1 July 2000 the copyright of all articles submitted to *British Journal of Nutrition* are retained by the authors or their institutions. For articles prior to this date permission for reproduction of any part of the journal (text, figures, tables or other matter) in any form (on paper, microfiche or electronically) should be sought directly from the Society, at: The Publications Office, The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, Hammersmith, London W6 7NJ, UK.

**Disclaimer:** The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable, but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk. Neither the Society nor Cambridge University Press accepts responsibility for any trade advertisement included in this publication.

This journal is printed on acid-free paper from renewable sources. Printed in the UK by Bell & Bain Ltd., Glasgow.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see [www.fsc.org](http://www.fsc.org) for information.

*British Journal of Nutrition* is covered in Current Contents®/Agriculture, Biology & Environmental Sciences, SciSearch®, Research Alert®, Current Contents®/Life Sciences, Index Medicus® (MEDLINE®), AGRICOLA®, CAB Abstracts™, Global Health, BIOSIS® Database, EMBASE/Excerpta Medica and Elsevier BIOBASE/Current Awareness in Biological Sciences, CINAHL, and Chemical Abstracts Service.

**Invited Commentary**

- Commentary to accompany the paper entitled 'Nutritional disturbance in acid–base balance and osteoporosis: a hypothesis that disregards the essential homeostatic role of the kidney', by Jean-Philippe Bonjour.  
L. A. Frassetto & A. Sebastian 1935–1937

**Molecular Nutrition**

- Effect of *N*-acetyl cysteine on enterocyte apoptosis and intracellular signalling pathways' response to oxidative stress in weaned piglets.  
L. Zhu, X. Cai, Q. Guo, X. Chen, S. Zhu & J. Xu 1938–1947

**Metabolism and Metabolic Studies**

- Dietary electrolyte balance affects the nutrient digestibility and maintenance energy expenditure of Nile tilapia.  
S. Saravanan, I. Geurden, Z. G. A. Orozco, S. J. Kaushik, J. A. J. Verreth & J. W. Schrama 1948–1957

- High levels of dietary phytosterols affect lipid metabolism and increase liver and plasma TAG in Atlantic salmon (*Salmo salar* L.).  
N. S. Liland, M. Espe, G. Rosenlund, R. Waagbø, J. I. Hjelle, Ø. Lie, R. Fontanillas & B. E. Torstensen 1958–1967

- Dietary arginine affects energy metabolism through polyamine turnover in juvenile Atlantic salmon (*Salmo salar*).  
S. M. Andersen, E. Holen, A. Aksnes, I. Rønnestad, J.-E. Zerrahn & M. Espe 1968–1977

- Methodological considerations for meal-induced thermogenesis: measurement duration and reproducibility.  
L. C. Ruddick-Collins, N. A. King, N. M. Byrne & R. E. Wood 1978–1986

- Long-chain SFA at the *sn*-1, 3 positions of TAG reduce body fat deposition in C57BL/6 mice.  
S. W. Gouk, S. F. Cheng, J. S. L. Mok, A. S. H. Ong & C. H. Chuah 1987–1995

- Increased skeletal muscle mitochondrial efficiency in rats with fructose-induced alteration in glucose tolerance.  
R. Crescenzo, F. Bianco, P. Coppola, A. Mazzoli, L. Cigliano, G. Liverini & S. Iossa 1996–2003

- Serum silicon concentrations in pregnant women and newborn babies.  
R. Jugdaohsingh, S. H. C. Anderson, L. Lakasing, S. Sripanyakorn, S. Ratcliffe & J. J. Powell 2004–2010

**Nutritional Immunology**

- Dietary strawberries increase the proliferative response of CD3/CD28-activated CD8<sup>+</sup> T cells and the production of TNF- $\alpha$  in lipopolysaccharide-stimulated monocytes from obese human subjects.  
S. J. Zunino, D. H. Storms, T. L. Freytag, B. E. Mackey, L. Zhao, J. S. Gouffon & D. H. Hwang 2011–2019

**Nutritional Toxicology**

- Grape juice concentrate protects reproductive parameters of male rats against cadmium-induced damage: a chronic assay.  
V. C. Pires, A. P. B. Gollücke, D. A. Ribeiro, L. Lungato, V. D'Almeida & O. Aguiar Jr 2020–2029

**Microbiology**

- In vitro* evaluation of the impact of human background microbiota on the response to *Bifidobacterium* strains and fructo-oligosaccharides.  
S. Arboleya, N. Salazar, G. Solís, N. Fernández, M. Gueimonde & C. G. de los Reyes-Gavilán 2030–2036

**Human and Clinical Nutrition**

- No association between the intake of marine *n*-3 PUFA during the second trimester of pregnancy and factors associated with cardiometabolic risk in the 20-year-old offspring.  
D. Rytter, B. H. Bech, T. Halldorsson, J. H. Christensen, E. B. Schmidt, I. Danielsen, T. B. Henriksen & S. F. Olsen 2037–2046

**Dietary Surveys and Nutritional Epidemiology**

- Associations of dietary glycaemic index and glycaemic load with food and nutrient intake and general and central obesity in British adults.  
K. Murakami, T. A. McCaffrey & M. B. E. Livingstone 2047–2057

- Mediterranean diet adherence during pregnancy and risk of wheeze and eczema in the first year of life: INMA (Spain) and RHEA (Greece) mother–child cohort studies.  
L. Chatzi, R. Garcia, T. Roumeliotaki, M. Basterrechea, H. Begiristain, C. Iñiguez, J. Vioque, M. Kogevinas & J. Sunyer on behalf of the INMA and RHEA study groups 2058–2068

- Retrospective lifetime dietary patterns are associated with demographic and cardiovascular health variables in an older community-dwelling Australian population.  
D. Hosking & V. Danthiir 2069–2083

- Socio-economic differences in food group and nutrient intakes among young women in Ireland.  
Daniel M. A. McCartney, K. M. Younger, J. Walsh, M. O'Neill, C. Sheridan & J. M. Kearney 2084–2097

- Sources of variation in nutrient intake and the number of days to assess usual intake among men and women in the Seoul metropolitan area, Korea  
D. W. Kim, M. Kyung Park, J. Kim, K. Oh, H. Joung, J. E. Lee & H. Y. Paik 2098–2107

**Behaviour, Appetite and Obesity**

- Restricting night-time eating reduces daily energy intake in healthy young men: a short-term cross-over study.  
J. D. LeCheminant, E. Christenson, B. W. Bailey & L. A. Tucker 2108–2113

- Whey protein isolate counteracts the effects of a high-fat diet on energy intake and hypothalamic and adipose tissue expression of energy balance-related genes.  
L. McAllan, D. Keane, H. Schellekens, H. M. Roche, R. Korpela, J. F. Cryan & K. N. Nilaweera 2114–2126

Cambridge Journals Online For further information about this journal please go to the journal website at: [journals.cambridge.org/bjn](http://journals.cambridge.org/bjn)