Directions to Contributors can be found at journals.cambridge.org/bjn

British Journal of Nutrition

Volume 118, 2017 ISSN: 0007-1145

Publishing, Production, Marketing, and Subscription Sales Office:

Cambridge University Press Journals Fulfillment Department UPH, Shaftesbury Road Cambridge CB2 8BS, UK

For Customers in North America:

Cambridge University Press Journals Fullfillment Department 1 Liberty Plaza Floor 20 New York, NY 10006 USA

Publisher: Cambridge University Press

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

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 2017 comprise Volume 117, the twelve issues starting July 2017 comprise Volume 118.

Annual subscription rates:

Volumes 117/118 (24 issues):

Internet/print package £1547/\$3016/€2478

Internet only: £1075/\$2096/€1717

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, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA.

Directions to Contributors are available from the Society at the address below or can be found on the Society's website at http://www.nutritionsociety.org.

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 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 TM, Global Health, BIOSIS® Database, EMBASE/Excerpta Medica and Elsevier BIOBASE/Current Awareness in Biological Sciences, CINAHL, and Chemical Abstracts Service.

BRITISH JOURNAL OF NUTRITION, VOLUME 118 - Number 6

Molecular Nutrition	
Molecular hydrogen generated by elemental magnesium	
supplementation alters rumen fermentation and microbiota in goats	
M. Wang, R. Wang, X. Zhang, E. M. Ungerfeld, D. Long, H. Mao, J. Jiao,	
K. A. Beauchemin & Z. Tan	401-410
Metabolism and Metabolic Studies	

Comparative analysis of effects of dietary arachidonic acid and EPA on growth, tissue fatty acid composition, antioxidant response and lipid metabolism in juvenile grass carp, Ctenopharyngodon idellus J.-j. Tian, C.-x. Lei, H. Ji, G. Kaneko, J.-s. Zhou, H.-b. Yu, Y. Li, E.-m. Yu & J. Xie 411-422 Dietary egg-white protein increases body protein mass and reduces body fat mass through an acceleration of hepatic β -oxidation in rats R. Matsuoka, B. Shirouchi, M. Umegatani, M. Fukuda, A. Muto, Y. Masuda, M. Kunou & M. Sato 423-430

Human and Clinical Nutrition

Multi-micronutrient supplementation during pregnancy for prevention of maternal anaemia and adverse birth outcomes in a high-altitude area: a prospective cohort study in rural Tibet of China 431-440 Y. Kang, S. Dang, L. Zeng, D. Wang, Q. Li, J. Wang, L. Ouzhu & H. Yan Impact of β 2-1 fructan on faecal community change: results from a placebo-controlled, randomised, double-blinded, cross-over study in healthy adults S. T. Clarke, S. P. Brooks, G. D. Inglis, L. J. Yanke, J. Green, N. Petronella, 441-453 D. D. Ramdath, P. J. Bercik, J. M. Green-Johnson & M. Kalmokoff

Pregnant women of South Asian ethnicity in Canada have substantially lower vitamin B₁₂ status compared with pregnant women of European ethnicity

T. H. Schroder, G. Sinclair, A. Mattman, B. Jung, S. I. Barr, H. D. Vallance & Y. Lamers

454-462

Dietary Surveys and Nutritional Epidemiology

Macronutrient intakes and serum oestrogen, and interaction with polymorphisms in CYP19A1 and HSD17B1 genes: a cross-sectional study in postmenopausal Japanese women S. Takagi, M. Naito, S. Kawai, R. Okada, C. Nagata, S. Hosono, Y. Nishida, N. Takashima, S. Suzuki, I. Shimoshikiryo, H. Mikami, H. Uemura, N. Kuriyama, K. Ohnaka, M. Kubo, N. Hamajima, H. Tanaka & K. Wakai for the Japan Multi-Institutional Collaborative Cohort (J-MICC) Study Group 463-472 Toenail selenium levels and prevalence of dyslipidaemia among Korean adults J. Jang, J. S. Morris & K. Park 473-480

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





