

CAMBRIDGE

JOURNALS

Nutrition Research Reviews

Published on behalf of The Nutrition Society

Editor-in-Chief

Graham C. Burdge, University of Southampton, UK

Nutrition Research Reviews offers a comprehensive overview of nutritional science today. By distilling the latest research and linking it to established practice, the journal consistently delivers the widest range of in-depth articles in the field of nutritional science and has done so for the past twenty-one years. It presents up-to-date, concise and critical reviews of key topics in nutrition science, advancing new concepts and hypotheses that encourage the exchange of fundamental ideas on nutritional well-being in both humans and animals.

Submit your article online
nrr.msubmit.net

Register for free content alerts
journals.cambridge.org/nrr-alerts



Impact Factor
4.842

Ranked **4/72**
Nutrition and Dietics

2011 Journal Citation Reports®

To subscribe contact
Customer Services

Cambridge:
Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
journals@cambridge.org

New York:
Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
subscriptions_newyork@cambridge.org



CAMBRIDGE
UNIVERSITY PRESS

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

British Journal of Nutrition

Volume 112, 2014 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

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 2014 comprise Volume 111, the twelve issues starting July 2014 comprise Volume 112.

Annual subscription rates:

Volumes 111/112 (24 issues):
Internet/print package £1432/\$2792/€2294
Internet only: £1023/\$1994/€1634

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.nutritionociety.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 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

- Are organically grown foods safer and more healthful than conventionally grown foods?
M. F. McCarty & J. J. DiNicolantonio 1589–1591

Metabolism and Metabolic Studies

- Impaired VLDL assembly: a novel mechanism contributing to hepatic lipid accumulation following ovariectomy and high-fat/high-cholesterol diets?
I. Côté, N. A. Chapados & J.-M. Lavoie 1592–1600

Nutritional Immunology

- Dietary glutamine prevents the loss of intestinal barrier function and attenuates the increase in core body temperature induced by acute heat exposure.
A. D. N. Soares, K. A. Costa, S. P. Wanner, R. G. C. Santos, S. O. A. Fernandes, F. S. Martins, J. R. Nicoli, C. C. Coimbra & V. N. Cardoso 1601–1610

Human and Clinical Nutrition

- Acute and 3-month effects of microcrystalline hydroxyapatite, calcium citrate and calcium carbonate on serum calcium and markers of bone turnover: a randomised controlled trial in postmenopausal women.
S. M. Bristow, G. D. Gamble, A. Stewart, L. Horne, M. E. House, O. Aati, B. Mihov, A. M. Horne & I. R. Reid 1611–1620
- Salt appetite in the elderly.
K. Hendi & M. Leshem 1621–1627

Dietary Surveys and Nutritional Epidemiology

- Do patients living with ulcerative colitis adhere to healthy eating guidelines? A cross-sectional study.
M. Walton & I. Alaunyte 1628–1635
- Cholesterol and egg intakes and the risk of type 2 diabetes: The Japan Public Health Center-based Prospective Study.
K. Kurotani, A. Nanri, A. Goto, T. Mizoue, M. Noda, S. Oba, N. Sawada & S. Tsugane for the Japan Public Health Center-based Prospective Study Group 1636–1643
- Patterns of food consumption among vegetarians and non-vegetarians.
M. J. Orlich, K. Jaceldo-Siegl, J. Sabaté, J. Fan, P. N. Singh & G. E. Fraser 1644–1653
- A modified Mediterranean diet score is associated with a lower risk of incident metabolic syndrome over 25 years among young adults: the CARDIA (Coronary Artery Risk Development in Young Adults) study.
L. M. Steffen, L. Van Horn, M. L. Daviglus, X. Zhou, J. P. Reis, C. M. Loria, D. R. Jacobs & K. J. Duffey 1654–1661
- Associations between antioxidants and all-cause mortality among US adults with obstructive lung function.
E. S. Ford, C. Li, T. J. Cunningham & J. B. Croft 1662–1673

- Consumption of whole grains in French children, adolescents and adults.
F. Bellisle, P. Hébel, J. Colin, B. Reyé & S. Hopkins 1674–1684

- Dietary patterns and cardiovascular risk factors in adolescents and young adults: the Northern Ireland Young Hearts Project.
H. J. McCourt, C. R. Draffin, J. V. Woodside, C. R. Cardwell, I. S. Young, S. J. Hunter, L. J. Murray, C. A. Boreham, A. M. Gallagher, C. E. Neville & M. C. McKinley on behalf of the Young Hearts Study Group 1685–1698

- Application of the British Food Standards Agency nutrient profiling system in a French food composition database.
C. Julia, E. Kesse-Guyot, M. Touvier, C. Méjean, L. Fezeu & S. Hercberg 1699–1705

- Associations between the dietary intake of antioxidant nutrients and the risk of hip fracture in elderly Chinese: a case-control study.
L.-I. Sun, B.-I. Li, H.-I. Xie, F. Fan, W.-z. Yu, B.-h. Wu, W.-q. Xue & Y.-m. Chen 1706–1714

- Iodine intake and status of UK women of childbearing age recruited at the University of Surrey in the winter.
S. C. Bath, M. L. Sleeth, M. McKenna, A. Walter, A. Taylor & M. P. Rayman 1715–1723

Behaviour, Appetite and Obesity

- The association between obesity and fluid intelligence impairment is mediated by chronic low-grade inflammation.
E. C. Spyridaki, P. Simos, P. D. Avgoustinaki, E. Dermitzaki, M. Venihaki, A. N. Bardos & A. N. Margioris 1724–1734

- Optimal cut-off values of BMI, waist circumference and waist: height ratio for defining obesity in Chinese adults.
Q. Zeng, Y. He, S. Dong, X. Zhao, Z. Chen, Z. Song, G. Chang, F. Yang & Y. Wang 1735–1744

Letter to the Editor

- Should we recommend organic crop foods on the basis of health benefits? Letter to the editor regarding the article by Barański *et al.*
J. M. Mulet 1745–1747

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