

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.

journals.cambridge.org/nrr

Submit your article online
nrr.msubmit.net

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



Impact Factor: 3.774

2010 Journal Citation Reports®
Thomson Reuter

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

CAMBRIDGE

JOURNALS

Public Health Nutrition

Published on behalf of The Nutrition Society

Editor-in-Chief

Agneta Yngve, Akershus University College, Norway

Public Health Nutrition provides an international peer-reviewed forum for the publication and dissemination of research and scholarship aimed at understanding the causes of, and approaches and solutions to, nutrition-related public health achievements, situations and problems around the world. The journal publishes original and commissioned articles, commentaries and discussion papers for debate.

journals.cambridge.org/phn

Submit your article online
phn.msubmit.net

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



Impact Factor: 2.075

2010 Journal Citation Reports®
Thomson Reuter

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

CAMBRIDGE

JOURNALS

Proceedings of the Nutrition Society

Published on behalf of The Nutrition Society

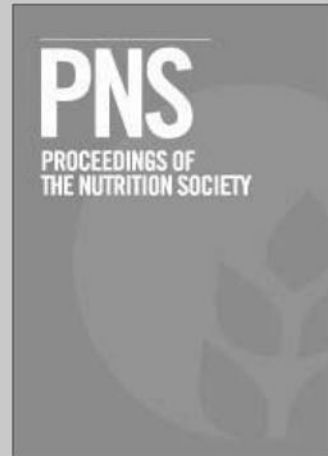
Editor-in-Chief

K.R. Westerterp, Maastricht University, The Netherlands

Proceedings of the Nutrition Society publishes papers and abstracts presented by members and invited speakers at the scientific meetings of The Nutrition Society. The journal provides an invaluable record of the scientific research currently being undertaken, contributing to 'the scientific study of nutrition and its application to the maintenance of human and animal health.'

journals.cambridge.org/pns

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



Impact Factor: 3.925

2010 Journal Citation Reports®
Thomson Reuter

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 108, 2012 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 2012 comprise Volume 107, the twelve issues starting July 2012 comprise Volume 108.

Annual subscription rates:

Volumes 107/108 (24 issues):
Internet/print package £1113/\$2169/€1782
Internet only: £877/\$1710/€1401
Print only: £1060/\$2067/€1723

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 and a voucher copy of the issue in which their paper has been published. 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.

Short Communications

- Effects of a high-fat diet and bamboo extract supplement on anxiety- and depression-like neurobehaviours in mice.
A. Del Rosario, M. M. McDermott & J. Pane 1143–1149
- Urinary citrulline in very low birth weight preterm infants receiving intravenous nutrition.
A. Bourdon, C. Rougé, A. Legrand, C. Des Robert, H. Piloquet, M. Vodovar, M. Voyer, J.-C. Rozé & D. Darmaun 1150–1154

Molecular Nutrition

- The effects of a cafeteria diet on insulin production and clearance in rats.
A. Castell-Auví, L. Cedó, V. Pallarès, M. Blay, A. Ardévol & M. Pinet 1155–1162
- The protective effect of a mix of *Lactarius deterrimus* and *Castanea sativa* extracts on streptozotocin-induced oxidative stress and pancreatic β -cell death.
N. Grdović, S. Dinić, J. Arambašić, M. Mihailović, A. Uskoković, J. Marković, G. Poznanović, S. Vidović, Z. Zeković, A. Mujčić, I. Mujčić & M. Vidaković 1163–1176
- In vitro* fermented nuts exhibit chemopreventive effects in HT29 colon cancer cells.
S. Lux, D. Scharlau, W. Schlörmann, M. Birringer & M. Gleit 1177–1186
- Epigenetic modulation of *BRCA1* and *BRCA2* gene expression by equol in breast cancer cell lines.
R. Bosviel, J. Durif, P. Déchelotte, Y.-J. Bignon & D. Bernard-Gallon 1187–1193

Metabolism and Metabolic Studies

- Beneficial effects of ginger (*Zingiber officinale*) on carbohydrate metabolism in streptozotocin-induced diabetic rats.
N. B. Abdulrazaq, M. M. Cho, N. N. Win, R. Zaman & M. T. Rahman 1194–1201
- The effect of dietary methionine and white tea on oxidative status of gilthead sea bream (*Sparus aurata*).
A. Pérez-Jiménez, H. Peres, V. C. Rubio & A. Oliva-Teles 1202–1209
- Reduced glycaemic and insulinaemic responses following trehalose and isomaltulose ingestion: implications for postprandial substrate use in impaired glucose-tolerant subjects.
J. G. P. van Can, L. J. C. van Loon, F. Brouns & E. E. Blaak 1210–1217

Developmental Biology

- Early programming of adult blood pressure in the low birth weight Yucatan miniature pig is exacerbated by a post-weaning high-salt-fat-sugar diet.
S. B. Myrie, D. S. MacKay, B. N. Van Vliet & R. F. Bertolo 1218–1225

Nutritional Immunology

- Effect of purified β -glucans derived from *Laminaria digitata*, *Laminaria hyperborea* and *Saccharomyces cerevisiae* on piglet performance, selected bacterial populations, volatile fatty acids and pro-inflammatory cytokines in the gastrointestinal tract of pigs.
T. Sweeney, C. B. Collins, P. Reilly, K. M. Pierce, M. Ryan & J. V. O'Doherty 1226–1234
- Consumption of gold kiwifruit reduces severity and duration of selected upper respiratory tract infection symptoms and increases plasma vitamin C concentration in healthy older adults.
D. C. Hunter, M. A. Skinner, F. M. Wolber, C. L. Booth, J. M. S. Loh, M. Wahlers, L. M. Stevenson & M. C. Kruger 1235–1245

- Soya protein hydrolysates modify the expression of various pro-inflammatory genes induced by fatty acids in ovine phagocytes.
I. Politis, G. Theodorou, A. D. Lampidonis, R. Chronopoulou & A. Baldi 1246–1255

Nutritional toxicology

- Amelioration of alcohol-induced hepatotoxicity by the administration of ethanolic extract of *Sida cordifolia* Linn.
S. Rejitha, P. Prathibha & M. Indira 1256–1263

Human and Clinical Nutrition

- Choline supplementation and measures of choline and betaine status: a randomised, controlled trial in postmenopausal women.
J. M. W. Wallace, J. M. McCormack, H. McNulty, P. M. Walsh, P. J. Robson, M. P. Bonham, M. E. Duffy, M. Ward, A. M. Molloy, J. M. Scott, P. M. Ueland & J. J. Strain 1264–1271
- Improvement of sulphur mustard-induced chronic pruritus, quality of life and antioxidant status by curcumin: results of a randomised, double-blind, placebo-controlled trial.
Y. Panahi, A. Sahebkar, M. Amiri, S. M. Davoudi, F. Beiraghdar, S. Leila Hoseininejad & M. Kolivand 1272–1279
- Effect of altering dietary *n*-6:*n*-3 PUFA ratio on cardiovascular risk measures in patients treated with statins: a pilot study.
S. P. S. Lee, A. M. Dart, K. Z. Walker, K. O'Dea, J. P. F. Chin-Dusting & M. R. Skilton 1280–1285
- Effect of meal timing and glycaemic index on glucose control and insulin secretion in healthy volunteers.
L. M. Morgan, J.-W. Shi, S. M. Hampton & G. Frost 1286–1291

Dietary Surveys and Nutritional Epidemiology

- Trends in dietary energy, fat, carbohydrate and protein intake in Chinese children and adolescents from 1991 to 2009.
Z. Cui & M. J. Dibley 1292–1299
- α -Linolenic acid, linoleic acid and heart failure in women.
E. B. Levitan, A. Wolk, N. Håkansson & M. A. Mittleman 1300–1306
- Alcohol consumption and mortality in individuals with diabetes mellitus.
D. Sluik, H. Boeing, M. M. Bergmann, M. Schütze, B. Teucher, R. Kaaks, A. Tjønneland, K. Overvad, L. Arriola, E. Ardanaz, B. Bendinelli, C. Agnoli, R. Tumino, F. Ricceri, A. Mattiello, A. M. W. Spijkerman, J. W. J. Beulens, D. E. Grobbee, P. M. Nilsson, O. Melander, P. W. Franks, O. Rolandsson, E. Riboli, V. Gallo, D. Romaguera & U. Nöthlings 1307–1315

Innovative Technique

- Reproducibility of a food menu to measure energy and macronutrient intakes in a laboratory and under real-life conditions.
J. McNeil, M.-È. Riou, S. Razmjou, S. Cadieux & È. Doucet 1316–1324

Workshop Report

- A symposium and workshop report from the Global Nutrition and Epidemiologic Transition Initiative: nutrition transition and the global burden of type 2 diabetes.
J. Mattei, V. Malik, N. M. Wedick, H. Campos, D. Spiegelman, W. Willett & F. B. Hu 1325–1335

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