

CAMBRIDGE

JOURNALS

# PHN

## PUBLIC HEALTH NUTRITION

### Editor-in-Chief

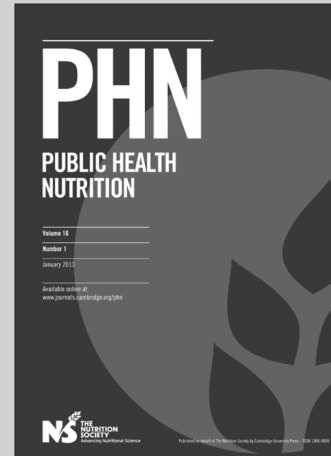
Marilyn Tseng, *California Polytechnic State University, USA*

*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](http://journals.cambridge.org/phn)

Submit your article online  
[phn.msubmit.net](http://phn.msubmit.net)

Register for free content alerts  
[journals.cambridge.org/phn-alerts](http://journals.cambridge.org/phn-alerts)



**Impact Factor**  
**2.25**

Ranked **47/158**  
Public,  
Environmental and  
Occupational Health

Ranked **34/76**  
Nutrition and Dietics

2012 Journal Citation Reports®  
Thomson Reuter

To subscribe contact  
Customer Services

**Cambridge:**

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

**New York:**

Phone +1 (845) 353 7500  
Fax +1 (845) 353 4141  
[subscriptions\\_newyork@cambridge.org](mailto:subscriptions_newyork@cambridge.org)



**CAMBRIDGE**  
UNIVERSITY PRESS

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](http://nrr.msubmit.net)

Register for free content alerts  
[journals.cambridge.org/nrr-alerts](http://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](mailto:journals@cambridge.org)

**New York:**  
Phone +1 (845) 353 7500  
Fax +1 (845) 353 4141  
[subscriptions\\_newyork@cambridge.org](mailto:subscriptions_newyork@cambridge.org)



**CAMBRIDGE**  
UNIVERSITY PRESS

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

- Dietary interventions in school settings: can they change children's diets and metabolic outcomes?  
L. G. Smithers 1749–1750

**Systematic Review**

- Possible role of tocopherols in the modulation of host microRNA with potential antiviral activity in patients with hepatitis B virus-related persistent infection: a systematic review.  
S. Fiorino, L. Bacchi-Reggiani, S. Sabbatani, F. Grizzi, L. di Tommaso, M. Masetti, A. Fornelli, A. Bondi, D. de Biase, M. Visani, A. Cuppini, E. Jovine & A. Pession 1751–1768

**Systematic Review with Meta-Analysis**

- Nasogastric nutrition is efficacious in severe acute pancreatitis: a systematic review and meta-analysis.  
D. M. Nally, E. G. Kelly, M. Clarke & P. Ridgway 1769–1778

**Metabolism and Metabolic Studies**

- Adaptation of *in vivo* amino acid kinetics facilitates increased amino acid availability for fetal growth in adolescent and adult pregnancies alike.  
M. M. Thame, J. W. Hsu, R. Gibson, T. M. Baker, G. J. Tang, A. V. Badaloo, H. M. Fletcher, A. A. Jackson & F. Jahoor 1779–1786

- Lipidomic analysis of fatty acids in erythrocytes of coeliac patients before and after a gluten-free diet intervention: a comparison with healthy subjects.  
G. Riezzo, C. Ferreri, A. Orlando, M. Martulli, B. D'Attoma & F. Russo 1787–1796

- Astaxanthin lowers plasma TAG concentrations and increases hepatic antioxidant gene expression in diet-induced obesity mice.  
Y. Yang, T. X. Pham, C. J. Wegner, B. Kim, C. S. Ku, Y.-K. Park & J.-Y. Lee 1797–1804

- Erythrocyte DHA level as a biomarker of DHA status in specific brain regions of *n*-3 long-chain PUFA-supplemented aged rats.  
A. Létondor, B. Buaud, C. Vaysse, L. Fonseca, C. Herrouin, B. Servat, S. Layé, V. Pallet & S. Alfos 1805–1818

**Nutritional Immunology**

- Lactose inhibits regulatory T-cell-mediated suppression of effector T-cell interferon- $\gamma$  and IL-17 production.  
M. Paasela, K.-L. Kolho, O. Vaarala & J. Honkanen 1819–1825

**Human and Clinical Nutrition**

- Provision of healthy school meals does not affect the metabolic syndrome score in 8–11-year-old children, but reduces cardiometabolic risk markers despite increasing waist circumference.  
C. T. Damsgaard, S.-M. Dalskov, R. P. Laursen, C. Ritz, M. F. Hjorth, L. Lauritzen, L. B. Sørensen, R. A. Petersen, M. R. Andersen, S. Stender, R. Andersen, I. Tetens, C. Mølgaard, A. Astrup & K. F. Michaelsen 1826–1836

- Diets high in resistant starch and arabinoxylan modulate digestion processes and SCFA pool size in the large intestine and faecal microbial composition in pigs.  
T. S. Nielsen, H. N. Lærke, P. K. Theil, J. F. Sørensen, M. Saarinen, S. Forssten & K. E. Bach Knudsen 1837–1849

- DNA methylation: the pivotal interaction between early-life nutrition and glucose metabolism in later life.  
J. Zheng, X. Xiao, Q. Zhang & M. Yu 1850–1857

- Non-alcoholic fatty liver disease: need for a balanced nutritional source.  
J. Veena, A. Muragundla, S. Sidgiddi & S. Subramaniam 1858–1872

**Dietary Surveys and Nutritional Epidemiology**

- The direction of the difference between Canadian and American erythrocyte folate concentrations is dependent on the assay method employed: a comparison of the Canadian Health Measures Survey and National Health and Nutrition Examination Survey.  
C. K. Colapinto, M. S. Tremblay, S. Aufreiter, T. Bushnik, C. M. Pfeiffer & D. L. O'Connor 1873–1881

- Can rapeseed oil replace olive oil as part of a Mediterranean-style diet?  
R. Hoffman & M. Gerber 1882–1895

- Excess body iron and the risk of type 2 diabetes mellitus: a nested case-control in the PREDIMED (PREvention with MEDiterranean Diet) study.  
V. Arija, J. C. Fernández-Cao, J. Basora, M. Bulló, N. Aranda, R. Estruch, M. A. Martínez-González & J. Salas-Salvadó 1896–1904

- BMI gain and insulin resistance among school-aged children: a population-based longitudinal study in the Brazilian Amazon.  
B. H. Lourenço, S. G. A. Gimeno & M. A. Cardoso for the ACTION Study Team 1905–1910

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)