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.
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
2.169

Ranked 52/157
Public, Environmental and Occupational Health

Ranked 34/72
Nutrition and Dietics

2011 Journal Citation Reports®
Thomson Reuters

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
An International Journal of Nutritional Science

Volume 113, 2015 ISSN: 0007-1145

Aims and Scope

The British Journal of Nutrition is an international, peer-reviewed journal publishing original papers, review articles, short communications and technical notes on human and clinical nutrition, animal nutrition and basic science as applied to nutrition. Correspondence is encouraged in a Nutrition Discussion Forum. The Journal recognizes the multidisciplinary nature of nutritional science and encourages the submission of material from all the specialties involved in research and clinical practice. The Journal also publishes supplements on topics of particular interest.

The British Journal of Nutrition is published twice monthly by Cambridge University Press on behalf of The Nutrition Society.

The British Journal of Nutrition is an international journal published by Cambridge University Press on behalf of The Nutrition Society. The twelve issues starting January 2015 comprise Volume 114, the twelve issues starting July 2015 comprise Volume 115.

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 2015 comprise Volume 114, the twelve issues starting July 2015 comprise Volume 115.

Annual subscription rates:

Volumes 113/114 (24 issues):

Internet/print package E1575/S3071/2523

Internet only: E1094/S2314/1748

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.

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

Published online by Cambridge University Press


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 stage proof. 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 recommendation or promotion of investment or purchase or sale of any goods or services does so 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

Volume 113, 2015 ISSN: 0007-1145

Publishing, Production, Marketing, and Subscription Sales Office:

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

Editorial Board

K G Jenkins, Reading, UK
E J Johnson, Boston, MA, USA
S J Kendal, Sint Pieter-Non-Vlees, France
D S Kelley, Davis, CA, USA
C W Kendall, Boston, Ont, Canada
J P Kallies, Bronx, France
L Larsson, Copenhagen, Denmark
A Larsson, Rome, Italy
A M López-Sobaler, Madrid, Spain
J A Lovegrove, Reading, UK
B R Lynch, Glasgow, VA, USA
J P McCarron, Nanaimo, Canada
S McNaught, Borrowed, Australia
J Marion, Aberdeen, UK
E A Milos, Southam, UK
T M Meir, Perth, Australia
M M Myers, Reef, Spain
P Nalny, Southam, UK
K North, Bristol, UK
N Niinisto, Tampere, Finland
U Nothlings, Rome, Germany
M C Okie, Berlin, The Netherlands
A Palma, Palma de Mallorca, Spain
J Y Park, Chonbuk, Korea
E Parmigiani, Padova, Italy
C C Perez, Cambridge, UK
K Peng, Southampton, UK
S D Prestera, Edmonton, Alta, Canada
P Ritz, Angers, France
S M Robinson, Southampton, UK
E Rou, Barcelona, Spain
J S Ruth, Auckland, New Zealand
Y Saha, Patna, Spain
T Shibuo, Cork, Ireland
A Stadhouders, Lithuania
K E Stennert, Urbana, IL, USA
C Taylor, Wollongong, NSW, Australia
R Thompson, London, UK
D Tram, Paris, France
S Topping, Adelaide, Australia
J H M de Vries, Wageningen, The Netherlands
M R Vroom, Bright, UK

Publications Staff

C Goodstein (Publications Manager), C Jackson (Deputy Publications Manager), L Weekes and D Ocone (Publications Officers)

The Nutrition Society has as its objective the advancement of the scientific study of nutrition and its applications to the maintenance of human and animal health. Application of membership is invited from anyone whose work has contributed to the scientific knowledge of nutrition, whether such work has been in the laboratory, the field or the clinic, and whether experimental, clinical, agricultural or statistical in nature. There is also a student membership scheme with reduced subscriptions.

Particulars of The Nutrition Society and application form for membership are available from The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, London W6 7NJ, UK. Tel: +44 (0)20 7602 0228, Fax: +44 (0)20 7602 1756, Email: office@nutritionsociety.org.uk

The Nutrition Society Home Page is at http://www.nutritionsociety.org

© Nutrition Society 2015