

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

British Journal of Nutrition
Volume 132, 2024 ISSN: 0007-1145

**Publishing, Production, Marketing, and
Subscription Sales Office:**

Cambridge University Press & Assessment
Journals Fulfillment Department
University Printing House, Shaftesbury Road
Cambridge CB2 8EA, UK

For Customers in North America:

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

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 2024 comprise Volume 131, the twelve issues starting July 2024 comprise Volume 132.

Annual subscription rates:

Volumes 131/132 (24 issues):
Internet/print package £1955/\$3810
Internet only: £1296/\$2529

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 & Assessment, 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.nutritionociety.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 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.

British Journal of Nutrition, published by Cambridge University Press on behalf of the Nutrition Society

Printed and bound by CPI Group (UK) Ltd, Croydon, CR0 4YY

Volume: 132 Number: 6

METABOLISM AND METABOLIC STUDIES

Postprandial plasma aminoacidemia and indices of appetite regulation following pea-rice blend, pea isolate and whey protein ingestion in healthy young adults
Lucy M. Rogers, Archie E. Belfield, Marie Korzepa, Ari Gritsas, Tyler A. Churchward-Venne and Leigh Breen 691

NUTRITIONAL ENDOCRINOLOGY

Relationship between serum vitamin D levels and thyroid- and parathyroid-related diseases: a Mendelian randomisation study
Lirong Zhang, Congting Hu, Xinmiao Lin, Huiting Lin, Wenhua Wu, Jiaqin Cai, Hong Sun and Xiaoxia Wei 701

Taurine/chenodeoxycholic acid ratio as a potential serum biomarker for low vitamin B₁₂ levels in humans
Madhu Baghel, Sting L. Shi, Himani Patel, Vidya Velagapudi, Abdullah Mahmood Ali and Vijay K. Yadav 712

Investigating thyroid function and iodine status in adolescents with and without paediatric major depressive disorder
Ester Osuna, Jeannine Baumgartner, Andreas Walther, Sophie Emery, Mona Albermann, Noemi Baumgartner, Klaus Schmeck, Susanne Walitza, Michael Strumberger, Martin Hersberger, Michael B. Zimmermann, Isabelle Häberling, Gregor Berger and Isabelle Herter-Aeberli on behalf of the Omega-3 study team 725

HUMAN AND CLINICAL NUTRITION

A 12-week double-blind randomised controlled trial investigating the effect of dietary supplementation with 125 µg/d vitamin D in adults with asthma
Stephanie Watkins, Tanja Harrison and Sohail Mushtaq 738

ERRATUM

A 12-week double-blind randomised controlled trial investigating the effect of dietary supplementation with 125 µg/d vitamin D in adults with asthma – ERRATUM
Stephanie Watkins, Tanja Harrison and Sohail Mushtaq 750

HUMAN AND CLINICAL NUTRITION

The impact of cohort inclusion/exclusion criteria on pregnancy weight gain chart percentiles
Thais Rangel Bousquet Carrilho, Lisa M. Bodnar, Kari Johansson, Gilberto Kac and Jennifer A. Hutcheon 751

Erythrocyte membrane and breast milk fatty acid profile in lactating mothers: relationship with infant erythrocyte membrane fatty acid profile
Silvana Visentin, Agustina Malpeli, Victoria Fasano, Marisa Sala and Horacio Federico Gonzalez 762

DIETARY SURVEYS AND NUTRITIONAL EPIDEMIOLOGY

Building nutritionally meaningful classification for grocery product groups: the LoCard Food Classification process
Noora Kanerva, Satu Kinnunen, Jaakko Nevalainen, Henna Vepsäläinen, Mikael Fogelholm, Hannu Saarijärvi, Jelena Meinilä and Maijaliisa Erkkola 770

ERRATUM

Building nutritionally meaningful classification for grocery product groups: the LoCard Food Classification process – ERRATUM
Noora Kanerva, Satu Kinnunen, Jaakko Nevalainen, Henna Vepsäläinen, Mikael Fogelholm, Hannu Saarijärvi, Jelena Meinilä and Maijaliisa Erkkola 782

DIETARY SURVEYS AND NUTRITIONAL EPIDEMIOLOGY

Evaluating the effects of dietary patterns on circulating C-reactive protein levels in the general adult population: an umbrella review of meta-analyses of interventional and observational studies
Duc Quang Tran, Khanh Nguyen Di, Vu Thi Quynh Chi and Huyen Thi Hoa Nguyen 783

Patterns of beverages consumption and prevalence of non-communicable chronic diseases
Layanne Cristina de Carvalho Lavôr, Poliana Cristina de Almeida Fonseca Viola, Paulo Víctor de Lima Sousa, Felipe da Costa Campos, Jany de Moura Crisóstomo, Larisse Monteles Nascimento and Karoline de Macêdo Gonçalves Frota 794

Characteristics associated with fruit and vegetable consumption in mid aged and older Chinese men and women: a cross-sectional analysis of the first wave of WHO SAGE China
Justine Derbyshire, Sarah A. McNaughton, Karen E. Lamb and Catherine Milte 805

BEHAVIOUR, APPETITE AND OBESITY

Barriers and enablers to salt intake reduction in Australian adults with high blood pressure
Saman Khalesi, Edwina Williams, David W. Johnson, Jacqui Webster, Abbie Fewings and Corneel Vandelanotte 815

Plant protein, fibre and physical activity solutions to address poor appetite and prevent undernutrition in older adults: study protocol for the APPETITE randomised controlled trial
Katy M. Horner, Brian Mullen, Anna Quinn, Pia Scheufele, Susanne Gola, Federica Gonnelli, Matteo Bozzato, Jedd Pratt, Wiktorija Sala, Sinead Mullin, Laura Kirwan, Dominique Dardevet, Christelle Guillet, Giuseppe De Vito, Marjolein Visser, Dorothee Volkert and Clare A. Corish 823