

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

British Journal of Nutrition
Volume 131, 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: 131 Number: 12

METABOLISM AND METABOLIC STUDIES

Glycine supplementation can partially restore oxidative stress-associated glutathione deficiency in ageing cats
Avika Ruparell, Janet E. Alexander, Ryan Eyre, Laura Carvell-Miller, Y. Becca Leung, Samantha J. M. Evans, Lucy J. Holcombe, Martina Heer and Phillip Watson 1947

MICROBIOLOGY

Effect of different doses of camelina cake inclusion as a substitute of dietary soyabean meal on growth performance and gut health of weaned pigs
Diana Luise, Federico Correa, Giulia Cestonaro, Eleonora Sattin, Giuseppe Conte, Marcello Mele, Ivonne Archetti, Sara Viridis, Clara Negrini, Incoronata Galasso, Claudio Stefanelli, Maurizio Mazzoni, Luigi Nataloni, Paolo Trevisi and Enrico Costanzo 1962

HUMAN AND CLINICAL NUTRITION

Effects of beef fat enriched with *trans* vaccenic acid and *cis*9, *trans*11-CLA on glucose homeostasis and hepatic lipid accumulation in high-fat diet-induced obese mice
Yanqing Xu, Ming-Fo Hsu, Fawaz George Haj and Payam Vahmani 1975

The effects of replacing ghee with rapeseed oil on liver steatosis and enzymes, lipid profile, insulin resistance and anthropometric measurements in patients with non-alcoholic fatty liver disease: a randomised controlled clinical trial
Fatemeh Maleki Sedgi, Mohammadreza Mohammad Hosseiniazar and Mohammad Alizadeh 1985

Longitudinal association between soft drink consumption and handgrip strength in adults: a prospective analysis from the Tianjin Chronic Low-Grade Systemic Inflammation and Health (TCLSIH) cohort study
Tongfeng Liu, Shengxin Quan, Ge Meng, Hongmei Wu, Yeqing Gu, Shunming Zhang, Xuena Wang, Juanjuan Zhang, Qing Zhang, Li Liu, Shaomei Sun, Xing Wang, Ming Zhou, Qiyu Jia, Kun Song, Zhongze Fang and Kaijun Niu 1997

Post-prandial tracer studies of protein and amino acid utilisation: what can they tell us about human amino acid and protein requirements?
D. Joe Millward 2005

Comparisons between dual-energy X-ray absorptiometry and bioimpedance devices for appendicular lean mass and muscle quality in Hispanic adults
Bassel Nassar, Grant M. Tinsley, Kyung-Shin Park, Stefan A. Czerwinski and Brett S. Nickerson 2031

DIETARY SURVEYS AND NUTRITIONAL EPIDEMIOLOGY

The interaction effect of dietary selenium intake and the *IL10* rs1800871 polymorphism on the risk of colorectal cancer: a case-control study in Korea
Tao Thi Tran, Madhawa Gunathilake, Jeonghee Lee, Jae Hwan Oh, Hee Jin Chang, Dae Kyung Sohn, Aesun Shin and Jeongseon Kim 2039

Validating nutrient selection for product-group-specific nutrient indices for use as functional units in life cycle assessment of foods
Anna K arlund, Venla Kytt , Tiina Pellinen, Hanna L. Tuomisto, Anne-Maria Pajari, Marjukka Kolehmainen and Merja Saarinen 2049

Enhancing selection of alcohol consumption-associated genes by random forest
Chenglin Lyu, Roby Joehanes, Tianxiao Huan, Daniel Levy, Yi Li, Mengyao Wang, Xue Liu, Chunyu Liu and Jiantao Ma 2058

BEHAVIOUR, APPETITE AND OBESITY

Educational intervention based on the extended parallel process model improves adherence to diabetic diet and glycaemic control indices: a randomised, double-blind, controlled, factorial field trial
Tayebe Dehghan, Mohammad Ali Mohsenpour, Masoud Karimi, Manoosh Mehrabi, Morteza Zare, Marzieh Akbarzadeh, Atefeh Kohansal, Fatemeh Fathi and Zahra Sohrabi 2068

Nutrition and public health in Georgia: reviewing the current status and inspiring improvements: a joint event of the Georgian Nutrition Society, The Nutrition Society of the UK and Ireland and the Sabri  lker Foundation, October 2023
Julian D. Stowell, John C. Mathers, Manana Stanley, F. Nur Baran Aksakal, Avril Aslett-Bentley, D ana B n ti, Eka Bobokhidze,  zlem  li   atar,  zge Din , Rusudan Gvamichava, Beg m Mutus, Caroline Saunders, Oliver Michael Shannon and Ihab Tewfik 2080

CORRIGENDUM

Nutritional programming of large yellow croaker (*Larimichthys crocea*) larvae by dietary vegetable oil: effects on growth performance, lipid metabolism and antioxidant capacity – CORRIGENDUM
Yongtao Liu, Chuanwei Yao, Kun Cui, Tingting Hao, Zhaoyang Yin, Wenxuan Xu, Wenxing Huang, Kangsen Mai and Qinghui Ai 2090