

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

British Journal of Nutrition
Volume 129, 2023 ISSN: 0007-1145

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

Cambridge University Press & Assessment
Journals Fulfillment Department
University Printing House, Shaftesbury Road
Cambridge CB2 8BS, 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 2023 comprise Volume 129, the twelve issues starting July 2023 comprise Volume 130.

Annual subscription rates:

Volumes 129/130 (24 issues):
Internet/print package £1810/\$3528
Internet only: £1223/\$2386

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

Metabolism and Metabolic Studies

- The effects of dietary linoleic acid on reducing serum cholesterol and atherosclerosis development are nullified by a high-cholesterol diet in male and female apoE-deficient mice
Xingyu Yuan, Rika Nagamine, Yasutake Tanaka, Wei-Ting Tsai, Zhe Jiang, Ai Takeyama, Katsumi Imaizumi and Masao Sato 737

Developmental Biology

- Consumption of a multi-deficient diet causes dynamic changes in the intestinal morphofunctional barrier, body composition and impaired physical development in post-weaning mice
Samilly Albuquerque Ribeiro, Francisco Adelvane de Paula Rodrigues, Marco Antonio de Freitas Clementino, Herlice do Nascimento Veras, Rômulo Celly Lima Siqueira, Pedro Henrique Quintela Soares de Medeiros, Jeanine Morais Pereira, Márcio Flávio Araújo Guanabara Júnior, José Kleybson de Sousa, Ana Karolina Silva Santos, Armênio Aguiar dos Santos, Bruna Leal Lima Maciel, Alexandre Havt and Aldo Ângelo Moreira Lima 745

Human and Clinical Nutrition

- Effects of whey and soy protein supplementation on inflammatory cytokines in older adults: a systematic review and meta-analysis
Konstantinos Prokopidis, Mohsen Mazidi, Rajiv Sankaranarayanan, Behnam Tajik, Anne McArdle and Masoud Isanejad 759
- Dose-response efficacy of mulberry fruit extract for reducing post-prandial blood glucose and insulin responses: randomised trial evidence in healthy adults
David J Mela, Xiu-Zhen Cao, Santhosh Govindaiah, Harry Hiemstra, Ramitha Kalathil, Li Lin, Joshi Manoj, Tingyan Mi and Carole Verhoeven 771
- Effects of collagen peptide supplementation on cardiovascular markers: a systematic review and meta-analysis of randomised, placebo-controlled trials
Zahra Jalili, Faramarz Jalili, Sajjad Moradi, Reza Bagheri, Seyede Parisa Moosavian, Fatemeh Naeini, Hamed Mohammadi, Seyed Mojtaba Ghoreishy, Alexei Wong, Nikolaj Travica, Mohammad Ali Hojjati Kermani and Cyrus Jalili 779
- Iodine status during child development and hearing ability: a systematic review
Mariana Dineva, Amanda Hall, Muqiu Tan, Anna Blaskova and Sarah C. Bath 795

Dietary Surveys and Nutritional Epidemiology

- East-Greenland traditional nutrition: a reanalysis of the Høgygaard *et al.* nutritional data (1936–1937)
Patrick Mullie, Tom Deliens and Peter Clarys 813

- Milk intake across adulthood and muscle strength decline from mid- to late life: the MRC National Survey of Health and Development
Antoneta Granic, Rachel Cooper, Richard M. Dodds, Susan J. Hillman, Avan A. Sayer and Sian M. Robinson 820

- Iodine fortification of plant-based dairy and fish alternatives: the effect of substitution on iodine intake based on a market survey in the UK
Katie Nicol, Eva-Leanne Thomas, Anne P. Nugent, Jayne V. Woodside, Kathryn H. Hart and Sarah C. Bath 832

- Association of low-carbohydrate diet score and carbohydrate quality with visceral adiposity and lipid accumulation product
Fatemeh Gholami, Fahime Martami, Parivash Ghorbaninezhad, Amin Mirrafiei, Mojdeh Ebaditabar, Samira Davarzani, Nadia Babaei, Kurosh Djafarian and Sakineh Shab-Bidar 843

- Infant iodine status and associations with maternal iodine nutrition, breast-feeding status and thyroid function
Synnøve Næss, Inger Aakre, Tor A. Strand, Lisbeth Dahl, Marian Kjellevoid, Ann-Elin M. Stokland, Bjørn Gunnar Nedrebø and Maria Wik Markhus 854

- Association between food intake patterns and serum vitamin D concentrations in US adults
Vijay Ganji, Zumin Shi, Tamara Al-Abdi, Dalia Al Hejap, Yasmine Attia, Dalya Koukach and Hind Elkassas 864

Behaviour, Appetite and Obesity

- Assessment of existing anthropometric indices for screening sarcopenic obesity in older adults
Jin Eui Kim, Jimi Choi, Miji Kim and Chang Won Won 875

- Downsizing food: a systematic review and meta-analysis examining the effect of reducing served food portion sizes on daily energy intake and body weight
Eric Robinson, India McFarland-Lesser, Zina Patel and Andrew Jones 888

- Neuromedin U regulates food intake of Siberian sturgeon through the modulation of central and peripheral appetite factors
Xin Zhang, Shuhuang Chen, Ni Tang, Shuyao Wang, Youlian Liu, Ya Li, Yanling Liu, Shupeng Zhang, Yingzi Li, Defang Chen and Zhiqiong Li 904

Obituary

- Egil Robert Ørskov, DSc, OBE, FRSE
Juan Carlos Ku-Vera 919

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