

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

## British Journal of Nutrition

Volume 127, 2022 ISSN: 0007-1145

### Publishing, Production, Marketing, and

#### Subscription Sales Office:

Cambridge University Press  
Journals Fulfillment Department  
University Printing House, Shaftesbury Road  
Cambridge CB2 8BS, UK

### For Customers in North America:

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

**Publisher:** Cambridge University Press

### 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 2021 comprise Volume 125, the twelve issues starting July 2021 comprise Volume 126.

### Annual subscription rates:

Volumes 127/128 (24 issues):  
Internet/print package £1724/\$3363  
Internet only: £1164/\$2271

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, 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.nutrition society.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 is printed on acid-free paper from renewable sources. Printed in Great Britain 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.

**Molecular Nutrition**

High glucose induces apoptosis, glycogen accumulation and suppresses protein synthesis in muscle cells of olive flounder *Paralichthys olivaceus*  
Jiahuan Liu, Mingzhu Pan, Dong Huang, Jing Wu, Yue Liu, Yanlin Guo, Wenbing Zhang and Kangsen Mai 1601

**Metabolism and Metabolic Studies**

Sex influences the association between appendicular skeletal muscle mass to visceral fat area ratio and non-alcoholic steatohepatitis in patients with biopsy-proven non-alcoholic fatty liver disease  
Gang Li, Rafael S. Rios, Xin-Xin Wang, Yue Yu, Kenneth I. Zheng, Ou-Yang Huang, Liang-Jie Tang, Hong-Lei Ma, Yi Jin, Giovanni Targher, Christopher D. Byrne, Xiao-Yan Pan and Ming-Hua Zheng 1613

Dietary raffinose ameliorates hepatic lipid accumulation induced by cholic acid via modulation of enterohepatic bile acid circulation in rats  
Kenta Maegawa, Haruka Koyama, Satoru Fukiya, Atsushi Yokota, Koichiro Ueda and Satoshi Ishizuka 1621

**Nutritional Endocrinology**

Effects of iodine excess on serum thyrotropin-releasing hormone levels and type 2 deiodinase in the hypothalamus of Wistar rats  
Ying Sun, Xin Du, Zhongyan Shan, Weiping Teng and Yaqiu Jiang 1631

Early-life exposure to the Chinese famine and risk of hyperuricaemia in adult females in Qingdao  
Yuhan Shao, Li Liu, Xiaojing Li, Jianping Sun and Xiaomei Huang 1639

**Human and Clinical Nutrition**

Impact of malnutrition on health-related quality of life in persons receiving dialysis: a prospective study  
Daniela Viramontes-Hörner, Zoe Pittman, Nicholas M. Selby and Maarten W. Taal 1647

Tracking changes in body composition: comparison of methods and influence of pre-assessment standardisation  
Grant M. Tinsley, Patrick S. Harty, Matthew T. Stratton, Robert W. Smith, Christian Rodriguez and Madelin R. Siedler 1656

The association of pre-pregnancy BMI on leptin, ghrelin, adiponectin and insulin-like growth factor-1 in breast milk: a case-control study  
Tugce Tekin Guler, Nevra Koc, Aysun Kara Uzun and Mehmet Fisunoglu 1675

Reflections on a seminal article on malnutrition published in the *British Journal of Nutrition*, 2004  
Marinos Elia and Rebecca J. Stratton 1682

**Dietary Surveys and Nutritional Epidemiology**

The association of mycoprotein-based food consumption with diet quality, energy intake and non-communicable diseases' risk in the UK adult population using the National Diet and Nutrition Survey (NDNS) years 2008/2009–2016/2017: a cross-sectional study  
Anna Cherta-Murillo and Gary S. Frost 1685

Dietary flavonoid patterns and prostate cancer: evidence from a Mexican population-based case-control study  
Marcia Galván-Portillo, Ruth Argelia Vázquez-Salas, Jesús Gibran Hernández-Pérez, Julia Blanco-Muñoz, Lizabeth López-Carrillo and Luisa Torres-Sánchez 1695

Association between diet quality in adolescence and adulthood and knee symptoms in adulthood: a 25-year cohort study  
Tao Meng, Johanna Wilson, Alison Venn, Flavia Cicuttini, Lyn March, Marita Cross, Terence Dwyer, Leigh Blizzard, Graeme Jones, Laura Laslett, Benny Antony and Changhai Ding 1704

Association between alcohol dietary pattern and prevalence of dyslipidaemia: WASEDA'S Health Study  
Kumpei Tanisawa, Tomoko Ito, Ryoko Kawakami, Chiyoko Usui, Takuji Kawamura, Katsuhiko Suzuki, Shizuo Sakamoto, Kaori Ishii, Isao Muraoka, Koichiro Oka and Mitsuru Higuchi 1712

U-shaped association between dietary calcium density intake during adolescence and hypertension in adulthood: a 20-year longitudinal nationwide study in China  
Xiaomin Sun, Zumin Shi, Yixuan Li, Bao Xin, Xi Li and Youfa Wang 1723

The nutritional impact of replacing dietary meat with meat alternatives in the UK: a modelling analysis using nationally representative data  
Dominic N. Farsi, Dinithi Uthumange, Jose Munoz Munoz and Daniel M. Commane 1731

Non-alcoholic beverages intake and risk of CVD among Japanese men and women: the Japan Public Health Center study  
Renzhe Cui, Hiroyasu Iso, Ehab Salah Eshak, Koutatsu Maruyama, Junko Ishihara, Ribeka Takachi, Norie Sawada and Shoichiro Tsugane for the JPHC Study Group 1742

**Behaviour, Appetite and Obesity**

Sleep duration and eating behaviours are associated with body composition in 5-year-old children: findings from the ROLO longitudinal birth cohort study  
Anna Delahunt, Marie C. Conway, Ciara McDonnell, Sharleen L. O'Reilly, Linda M. O'Keefe, Patricia M. Kearney, John Mehegan and Fionnuala M. McAuliffe 1750

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)