

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

British Journal of Nutrition

Volume 124, 2020 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

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 2020 comprise Volume 123, the twelve issues starting July 2020 comprise Volume 124.

Annual subscription rates:

Volumes 123/124 (24 issues):
Internet/print package £1627/\$3172
Internet only: £1130/\$2204

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 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.

Systematic Reviews

- Effects of grape seed extract on dyslipidaemia: a systematic review and dose-response meta-analysis of randomised controlled trials
Javad Anjom-Shoae, Alireza Milajerdi, Bagher Larijani and Ahmad Esmailzadeh 121

Molecular Nutrition

- Serum vitamin B₁₂ and related 5-methyltetrahydrofolate-homocysteine methyltransferase reductase and cubilin genotypes predict neural outcomes across the Alzheimer's disease spectrum
K. E. McLimans, A. D. Collazo Martinez, J. P. Mochel, K. Allenspach and A. A. Willette 135

Human and Clinical Nutrition

- Effects of a high-DHA multi-nutrient supplement and exercise on mobility and cognition in older women (MOBILE): a randomised semi-blinded placebo-controlled study
Paul Fairbairn, Fotini Tsofliou, Andrew Johnson and Simon C. Dyall 146
- Plasma magnesium and the risk of new-onset hyperuricaemia in hypertensive patients
Jingjing Cao, Jingping Zhang, Yuanyuan Zhang, Huan Li, Chongfei Jiang, Tengfei Lin, Ziyi Zhou, Yun Song, Chengzhang Liu, Lishun Liu, Binyan Wang, Jianping Li, Yan Zhang, Yimin Cui, Yong Huo, Xiaobin Wang, Hao Zhang, Xianhui Qin and Xiping Xu 156

Dietary Surveys and Nutritional Epidemiology

- Sugar intake among German adolescents: trends from 1990 to 2016 based on biomarker excretion in 24-h urine samples
Ines Perrar, Nicola Gray, Gunter G. Kuhnle, Thomas Remer, Anette E. Buyken and Ute Alexy 164
- Consumption of differently processed milk products in infancy and early childhood and the risk of islet autoimmunity
Katriina Koivusaari, Essi Syrjälä, Sari Niinistö, Hanna-Mari Takkinen, Suvi Ahonen, Mari Åkerlund, Tuuli E. Korhonen, Jorma Toppari, Jorma Ilonen, Jaakko Peltonen, Jaakko Nevalainen, Mikael Knip, Tapani Alatossava, Riitta Veijola and Suvi M. Virtanen 173

- Effect of 4 weeks daily wild blueberry supplementation on symptoms of depression in adolescents
Jeni Fisk, Sundus Khalid, Shirley A. Reynolds and Claire M. Williams 181

- How does a simplified recipe collection procedure in dietary assessment tools affect the food group and nutrient intake distributions of the population
Liangzi Zhang, Hendriek Boshuizen and Marga Ocké 189

- Low hydration status may be associated with insulin resistance and fat distribution: analysis of the Korea National Health and Nutrition Examination Survey (KNHANES) 2008-2010
Hyang K. Min, Hyun Y. Ko, Jin T. Kim, Lise Bankir and Sung W. Lee 199
- Prevalence of vitamin D deficiency in urban south Indians with different grades of glucose tolerance
Ramamoorthy Jayashri, Ulagamathesan Venkatesan, Coimbatore S. Shanthirani, Mohan Deepa, Ranjit Mohan Anjana, Viswanathan Mohan and Rajendra Pradeepa 209

Behaviour, Appetite and Obesity

- Childhood dietary patterns and body composition at age 6 years: the Children of Screening for Pregnancy Endpoints (SCOPE) study
Angela C. Flynn, John M. D. Thompson, Kathryn V. Dalrymple, Clare Wall, Shahina Begum, Jaijus Pallippadan Johny, Wayne S. Cutfield, Robyn North, Lesley M. E. McCowan, Keith M. Godfrey, Edwin A. Mitchell, and Lucilla Poston 217
- The effect on satiety of ingesting isosweet and isoenergetic sucrose- and isomaltulose-sweetened beverages: a randomised crossover trial
Brianna M. Mills, Celeste T. Keesing, Jillian J. Haszard and Bernard J. Venn 225
- Viscous placebo and carbohydrate breakfasts similarly decrease appetite and increase resistance exercise performance compared with a control breakfast in trained males
M. N. Naharudin, J. Adams, H. Richardson, T. Thomson, C. Oxinou, C. Marshall, D. J. Clayton, S. A. Mears, A. Yusuf, C. J. Hulston and L. J. James 232

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