

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

British Journal of Nutrition
Volume 122, 2019 ISSN: 0007-1145

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

Cambridge University Press
Journals Fulfillment Department
UPH, 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 2019 comprise Volume 121, the twelve issues starting July 2019 comprise Volume 122.

Annual subscription rates:

Volumes 121/122 (24 issues):
Internet/print package £1550/\$3021
Internet only: £1077/\$2100

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.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 is printed on acid-free paper from renewable sources. Printed in the UK 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.

Human and Clinical Nutrition

- A critical evaluation of results from genome-wide association studies of micronutrient status and their utility in the practice of precision nutrition
Marie-Joe Dib, Ruan Elliott and Kourosh R. Ahmadi 121

Review Article

- Gut *Prevotella* as a possible biomarker of diet and its eubiotic versus dysbiotic roles: a comprehensive literature review
Gabriela Precup and Dan-Cristian Vodnar 131

Developmental Biology

- Effects of maternal protein restriction during pregnancy and lactation on milk composition and offspring development
C. J. Bautista, R. J. Bautista, S. Montañó, L. A. Reyes-Castro, O. N. Rodríguez-Peña, C. A. Ibáñez, P. W. Nathanielsz and E. Zambrano 141

Nutritional Immunology

- The involvement of NF- κ B/P38 pathways in *Scutellaria baicalensis* extracts attenuating of *Escherichia coli* K88-induced acute intestinal injury in weaned piglets
Caiyun Huang, Yubo Wang, Xin He, Ning Jiao, Xin Zhang, Kai Qiu, Xiangshu Piao and Jingdong Yin 152

Human and Clinical Nutrition

- Impact of serum 25-hydroxyvitamin D on cardiac prognosis in Chinese patients with heart failure
Ya-Min Hou, Jian-Ye Zhao and Hong-Yan Liu 162

- Effects of feed iodine concentrations and milk processing on iodine concentrations of cows' milk and dairy products, and potential impact on iodine intake in Swiss adults
Olivia L. van der Reijden, Valeria Galetti, Isabelle Herter-Aeberli, Michael B. Zimmermann, Christophe Zeder, Adam Krzystek, Max Haldimann, Andrea Barmaz, Michael Kreuzer, Joel Berard and Patrick Schlegel 172

Dietary Surveys and Nutritional Epidemiology

- Estimating sodium intake from spot urine samples at population level: a validation and application study in French adults
Elise Emeville, Camille Lassale, Katia Castetbon, Valérie Deschamps, Benoît Salanave, Michel Vernay, Dorra Guergour, Patrice Faure, Serge Hercberg, Pilar Galan, Emmanuelle Kesse-Guyot and Charlotte Verdot 186

- Assessing nutritional quality as a 'vital sign' of cardiometabolic health
Dorothee Buteau-Poulin, Paul Poirier, Jean-Pierre Després and Natalie Alméras 195

Innovative Techniques

- Optimising healthy and safe fish intake recommendations: a trade-off between personal preference and cost
Maria Persson, Sisse Fagt and Maarten J. Nauta 206

Behaviour, Appetite and Obesity

- Adherence to a healthy eating index from pre-school to school age and its associations with sociodemographic and early life factors
Marta Pinto da Costa, Catarina Durão, Carla Lopes and Sónia Vilela 220

- Gluten-free diet in French adults without coeliac disease: sociodemographic characteristics, motives and dietary profile
Laëtitia Perrin, Benjamin Allès, Camille Buscail, Catherine Ravel, Serge Hercberg, Chantal Julia and Emmanuelle Kesse-Guyot 231

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