Metabolism and Metabolic Studies

The effects of antibiotics and melatonin on hepato-intestinal inflammation and gut microbial dysbiosis induced by a short-term high-fat diet consumption in rats
Alper Yildirim, Sevil Arabacı Tamer, Duran Sahin, Fatma Bagriacik, Merve M. Kahraman, Nilsu D. Onur, Yusuf B. Cayirli, Özlem T. Cilingir Kaya, Burak Aksu, Esra Akdeniz, Meral Yuksel, Sule Çetinel and Berrak Ç. Yeğen

Nutritional and physiological responses of broiler chickens to dietary supplementation with de-oiled soyabean lecithin at different metabolisable energy levels and various fat sources
Leila Majdolhosseini, Hossein Ali Ghasemi, Iman Hajkhodadadi and Mohammad Hossein Mirak

Human and Clinical Nutrition

Effects of Mediterranean diet supplemented with lean pork on blood pressure and markers of cardiovascular risk: findings from the MedPork trial

The effects of supplementing maternal and infant diets with lipid-based nutrient supplements on physical activity and sedentary behaviour at preschool age in Ghana
Maku E. Ocansey, Anna Pulakka, Seth Adu-Afarwuah, Rebecca R. Young, Sika M. Kumordzie, Harriet Okronipa, Brietta M. Oaks, Kathryn G. Dewey and Elizabeth L. Prado

Iron status and inherited haemoglobin disorders modify the effects of micronutrient powders on linear growth and morbidity among young Lao children in a double-blind randomised trial

Plasma folate and its association with folic acid supplementation, socio-demographic and lifestyle factors among New Zealand pregnant women
Rhodi E. Bulloch, Lesley M. E. McCowan, John M. D. Thompson, Lisa A. Houghton and Clare R. Wall

Dietary Surveys and Nutritional Epidemiology

Carbohydrate and sodium intake and physical activity interact with genetic risk scores of four genetic variants mainly related to lipid metabolism to modulate metabolic syndrome risk in Roman middle-aged adults
Jun-Na Zhu, We Hong Song and Susan Park

Associations of dairy consumption with adiposity, cross-sectional findings from over 12 000 adults in the Nepal Study, UK
Elinor Vincent, Francesca Inserina, Simon Byrne, Emma Sadler-Roberts, Simon J. Ground, Manel Reverter and Mikael Farkas

Chocolate consumption and risk of gestational diabetes mellitus
The Japan Environment and Children’s Study
Jun-T’i Deng, Takao Hara, Satoshi Iyama, Masahiko Usami, Yoko Hasegawa, Koichiro Nomura, Tatsuhito Ohashi, Koito Koga and the Japan Environment and Children’s Study Group

Behaviour, Appetite and Obesity

Does food insulin index in the context of mixed meals affect postprandial metabolic responses and appetite in obese adolescents with insulin-resistance? A randomised cross-over trial
Z. Caferoglu, N. Hatipoglu and H. Gokmen Ozel

Women with a low-satiety phenotype show impaired appetite control and greater resistance to weight loss
Nicola J. Buckland, Naomi Gandy, Fiona Croden, Anna Myers, Jacquelynne L. Lavin, R. James Stubbs, John E. Blundell and Graham Finlayson

Food and Nutrition Studies

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

An International Journal of Nutritional Science

Volume: 122
Number: 8
28 October 2019
Publication Information

British Journal of Nutrition

Volume 122, 2019 ISSN: 0007-1145

British Journal of Nutrition is an international, peer-reviewed journal publishing original papers, review articles, short communications and technical notes on human and clinical nutrition, animal nutrition and basic science as applied to nutrition. Correspondence is encouraged in a Nutrition Discussion Forum. The Journal recognizes the multidisciplinary nature of nutritional science and encourages the submission of material from all of the specialisms involved in research and clinical practice. The Journal also publishes supplements on topics of particular interest.

The British Journal of Nutrition is published twice monthly by Cambridge University Press on behalf of The Nutrition Society.

The British Journal of Nutrition is available online to subscribers at journals.cambridge.org/bjn

Tables of contents and abstracts are available free at the same website.

Editor-in-Chief
J Madden, University of Connecticut, USA

Deputy Editors
J B Anderson, University of North Carolina, USA
J H M de Vries, Leeds Beckett University, UK
University of Copenhagen, Denmark
C Damsgaard, E Combet-Aspray,
University of Glasgow, UK

Cornell University, USA
F Bravi,
J Beulens,
INSERM, France
C Berr,
Herlev University Hospital, Denmark
C Baldwin,
Bonn, Germany
U Alexy,
Rheinische Friedrich-Wilhelms University of


Particulars of The Nutrition Society and application forms for membership are available from The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, London W6 7NJ, UK. Tel: +44 (0)20 7602 0228, Fax: +44 (0)20 7602 1756, Email: office@nutsoc.org.uk

such work has been in the laboratory, the field or the clinic, and whether experimental, clinical, agricultural or statistical.

British Journal of Nutrition

Volume 122, 2019 ISSN: 0007-1145

Publishing, Production, Marketing, and
Subscription Sales Office:
Cambridge University Press
Journals Fulfillment Department
UPH, Shaftsbury 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

Any supplement 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://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 or 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, published by Cambridge University Press on behalf of the Nutrition Society 2019©