
BJN

BRITISH JOURNAL OF NUTRITION

Volume: 122

Number: 2

28 July 2019

An International Journal
of Nutritional Science

British Journal of Nutrition
An International Journal of Nutritional Science
Volume 122, 2019 ISSN: 0007-1145

Aims and Scope

The *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 specialities 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 Mathers, *Newcastle University, UK*

Deputy Editors

J J B Anderson, *University of North Carolina, USA*
A E Buyken, *University of Paderborn, Germany*
D J Hoffman, *RUTGERS- State University of New Jersey, USA*
K G Jackson, *University of Reading, UK*
D N McMurray, *Texas A&M University, USA*
A M Minihane, *University of East Anglia, UK*
S D Proctor, *University of Alberta, Canada*
W D Rees, *Rowett Research Inst., UK*
E Rush, *Auckland University of Technology, New Zealand*
A J Sinclair, *Deakin University, Australia*
R Thompson, *World Cancer Research Fund International, UK*
D L Topping, *CSIRO, Australia*

Reviews and Horizons Editor

B A Fielding, *University of Surrey, UK*
S M Pasiakos, *USARIEM: US Army Research Inst. of Environmental Medicine, USA*

Reviews Editors

J P Lallès, *Institut National de la Recherche Agronomique, France*
G E Lobley, *Rowett Research Institute, UK*
S J Whiting, *University of Saskatchewan, Canada*

Supplements Editor

M McKinley, *Queens University, Belfast, UK*

Statistics Editors

Y Bai, *Duke University, USA*
S Barton, *University of Southampton, UK*
M Cockeran, *Northwest University, South Africa*
S Crozier, *University of Southampton, UK*
S Doi, *Australian National University, Australia*
M Heo, *Montefiore Medical Center, USA*
G Kelley, *West Virginia University, USA*
D Li, *Zhejiang University, China*
W Qiu, *Brigham & Women's Hospital, USA*
C Ritz, *University of Copenhagen, Denmark*
I Saunders, *CSIRO, Australia*
M Standl, *Helmholtz Centre Munich, German Research Center for Environmental Health, Germany*
R Woodman, *Flinders University, Australia*
B Yang, *Zhejiang University, China*
C Yuan, *Harvard School of Public Health, USA*

Editorial Board

U Alexy, *Rheinische Friedrich-Wilhelms University of Bonn, Germany*
C Baldwin, *Kings College London, UK*
J Baumgartner, *North West University, South Africa*
AM Beck, *Herlev University Hospital, Denmark*
C Berr, *INSERM, France*
J Beulens, *VU University Medical Center, The Netherlands*
F Bravi, *Università degli Studi di Milano, Italy*
J T Brenna, *Cornell University, USA*
J Cleal, *University of Southampton, UK*
K A Cockell, *Health Canada, Canada*
E Combet-Aspray, *University of Glasgow, UK*
C Damsgaard, *University of Copenhagen, Denmark*
K Deighton, *Leeds Beckett University, UK*
J H M de Vries, *Wageningen University, The Netherlands*
R N Dilger, *University of Illinois: Urbana-Champaign, USA*
E Doucet, *University of Ottawa, Canada*
R Elango, *University of British Columbia, Canada*

K Erickson, *University of California: Davis, USA*
I Gabriel, *Institut National de la Recherche Agronomique, France*
A-L Heath, *University of Otago, New Zealand*
T Hill, *Newcastle University, UK*
L T Ho, *Taipei Veterans General Hospital, Taiwan*
M Kontogianni, *Harokopio University, Greece*
SM Krebs-Smith, *NCI: National Cancer Inst., USA*
J Lapointe, *Agriculture and Agri-Food Canada, Canada*
L Lauritzen, *University of Copenhagen, Denmark*
MJ Leaver, *University of Stirling, UK*
D Levitsky, *Cornell University, USA*
J Lodge, *Northumbria University, UK*
C Maloney, *University of New South Wales, Australia*
M A Martinez-González, *Clinica Universidad de Navarra, Spain*
V Mazurak, *University of Alberta, Canada*
B Muhlhauser, *University of Adelaide, Australia*
K Murakami, *University of Tokyo, Japan*

A Palou, *Universitat de les Illes Balears, Spain*
E Petherick, *Bradford Royal Infirmary, UK*
LD Plank, *University of Auckland, New Zealand*
M Plourde, *University of Sherbrooke, Canada*
M Portillo, *University of the Basque Country, Spain*
GK Pot, *Kings College London, UK*
D Robertson, *University of Surrey, UK*
S Sahni, *Harvard Medical School, USA*
U Schwab, *University of Eastern Finland, Finland*
R Siddiqui, *Virginia State University, USA*
L Smithers, *University of Adelaide, Australia*
A Sneddon, *Rowett Research Institute, UK*
JL Soengas, *University of Vigo, Spain*
C G Taylor, *University of Manitoba, Canada*
MH Vickers, *University of Auckland, New Zealand*
R Waagbo, *NIFES: National Inst. of Nutrition and Seafood Research, Norway*
NM Wade, *CSIRO, Australia*
J Wang, *China Agricultural University, China*
G Williamson, *University of Leeds, UK*

The Nutrition Society has as its objective the advancement of the scientific study of nutrition and its applications to the maintenance of human and animal health.

Application of membership is invited from anyone whose work has contributed to the scientific knowledge of nutrition, whether such work has been in the laboratory, the field or the clinic, and whether experimental, clinical, agricultural or statistical in nature. There is also a student membership scheme with reduced subscriptions.

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

The Nutrition Society Home Page is at <http://www.nutritionistsociety.org>

© Nutrition Society 2019