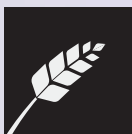


BJN

British Journal of Nutrition

Volume: 133

Number: 8



The
Nutrition
Society

British Journal of Nutrition

An International Journal of Nutritional Science

Volume 133, 2025 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 Population Health Sciences Institute, UK*

Deputy Editors

É Doucet, *University of Ottawa, Canada*
 R Elango, *University of British Columbia, Canada*
 K Erickson, *University of California: Davis, USA*
 W Hall, *King's College London, UK*
 J Phillip Karl, *US Army Research Institute of Environmental Medicine, USA*
 Y Liu, *University of California Davis, USA*
 G Maskarinec, *University of Hawaii, USA*
 B Meyer, *University of Wollongong, Australia*
 K Murakami, *University of Tokyo, Japan*
 K Pentieva, *University of Ulster, Northern Ireland*
 M Plourde, *University of Sherbrooke, Canada*
 P Sharp, *King's College London, UK*
 J L Soengas Fernández, *University of Vigo, Spain*
 Mark Vickers, *University of Auckland, New Zealand*
 N Wade, *University of Edinburgh The Roslin Institute, UK*
 G Williamson, *Monash University, Australia*

Reviews Editors

F Bravi, *Inst. of Pharmacological Research, Mario Negri, Italy*
 L Brough, *Massey University, New Zealand*
 D. Canella, *Rio de Janeiro State University, Brazil*
 J Lara Gallegos, *Northumbria University, UK*
 D Levitsky, *Cornell University, USA*
 Y Liu, *Wuhan Polytechnic University, China*

Supplements Editor

S Bath, *University of Surrey, UK*

Statistics Editors

A Al-Taiar, *Old Dominion University College of Health Sciences, USA*
 V Bountziouka, *University College London, UK*
 M Brabec, *Czech Academy of Sciences, Prague, Czechia*
 E Curis, *University of Paris V: René Descartes, France*
 J Hosking, *University of Plymouth, UK*
 S Knüppel, *Bundesinstitut für Risikobewertung, Berlin, Germany*
 R Leech, *Deakin University, Australia*
 C Lilly, *West Virginia University, USA*
 C Ricci, *North-West University, South Africa*
 S Ullah, *Flinders University, Australia*

First Editors

K Appleton, *University of Bournemouth, UK*
 N Astbury, *University of Oxford, UK*
 M Borack, *Duke University, USA*
 G Bosch, *Wageningen University, Netherlands*
 D Clayton, *Nottingham Trent University, UK*
 M Clegg, *University College, Cork, Ireland*
 P Cutruffello, *University of Scranton, USA*
 K Dhana, *Rush University Medical Center, USA*
 A Diana, *Universitas Padjadjaran*
 J-P Drouin-Chartier, *Université Laval, Canada*
 Z-Y Du, *East China Normal University, China*
 N Everaert, *KU Leuven, Belgium*
 E Feeney, *University College, Dublin, Ireland*
 M Habte-Tsion, *University of Maine, USA*
 S Hennigar, *Pennington Biomedical Research Centre, Baton Rouge, USA*

K Hirko, *Michigan State University, USA*
 J Hollis, *Iowa State University, USA*
 P Horta, *Universidade Federal de Minas Gerais, Brazil*
 R Hosomi, *Kansai University, Japan*
 J Kim, *University of Massachusetts Lowell, USA*
 M Kruger, *Massey University, New Zealand*
 X Luo, *Chinese Academy of Agricultural Science, China*
 Z Luo, *Huazhong Agricultural University, China*
 D Ma, *University of Guelph, Canada*
 C Maffei, *University of Verona, Italy*
 R Manchi, *ICAR-Directorate of Coldwater Fisheries Research, Bhimtal, India*
 A Marcadenti, *Hospital do Coracao, Brazil*
 K Northstone, *University of Bristol, UK*
 A Osella, *IRCCS Saverio de Bellis, Italy*
 A Papadaki, *University of Bristol*

B Qin, *Rutgers Cancer Inst. of New Jersey, USA*
 L-Q Qin, *Soochow University, China*
 C Reynolds, *University College Dublin, Ireland*
 A Rivellese, *University of Naples: Federico II, Italy*
 A Rombenso, *University Autonoma Baja California, USA*
 M Ruiz-Canela, *University of Navarra, Spain*
 J T Schonewille, *Utrecht University, Netherlands*
 F Tabung, *Ohio State University, USA*
 S-Y Tan, *Deakin University, Melbourne, Australia*
 L Tang, *Roswell Park Cancer Institute, USA*
 T Tong, *University of Oxford, UK*
 B Vizmanos-Lamotte, *University Centre of Health Sciences, Mexico*
 R Winkels, *Wageningen University, Netherlands*
 M Zec, *University of Arizona, USA*

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.nutritionandsociety.org>

© Nutrition Society 2025