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

British Journal of Nutrition

Volume 127, 2022 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 Fullfillment 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 2021 comprise Volume 125, the twelve issues starting July 2021 comprise Volume 126.

Annual subscription rates:

Volumes 127/128 (24 issues): Internet/print package £1724/\$3363 Internet only: £1164/\$2271 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.nutritionsociety.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 AbstractsTM, Global Health, BIOSIS[®] Database, EMBASE/Excerpta Medica and Elsevier BIOBASE/Current Awareness in Biological Sciences, CINAHL, and Chemical Abstracts Service.

British Journal of Nutrition, published by Cambridge University Press on behalf of the Nutrition Society 2022©

BRITISH JOURNAL OF NUTRITION, VOLUME 127 - Number 1

Editorial	
Nelcome to the 75th Anniversary of the <i>British Journal of Nutrition</i> ohn C. Mathers	1
Molecular Nutrition	
PPAR γ regulates fabp4 expression to increase DHA content in golden	
pompano (<i>Trachinotus ovatus</i>) hepatocytes Caixia Lei, Bin Fan, Jingjing Tian, Mengmeng Li and Yuanyou Li	3
Combined protective effects of icariin and selenomethionine on novel	
hronic tubulointerstitial nephropathy models <i>in vivo</i> and <i>in vitro</i>	
.ili Hou, Ziman Lin, Anyuan Xu, Guannan Le, Lei Ge, Shuiping Liu, \zhar Muhmood, Fang Gan and Kehe Huang	12
Netabolism and Metabolic Studies	
.ong-term effect of parental selenium supplementation on the one-carbon metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>)	
ry exposed to hypoxic stress	
auline Wischhusen, Cécile Heraud, Kaja Skjærven, Sadasivam J. Kaushik, ienoit Fauconneau, Philip Antony Jesu Prabhu and Stéphanie Fontagné-Dicharry	23
Deposition and metabolism of dietary <i>n</i> -3 very-long-chain PUFA in	
lifferent organs of rat, mouse and Atlantic salmon	
Aartina Torrissen, Harald Svensen, Iren Stoknes, Astrid Nilsson, one-Kari Østbye, Gerd Marit Berge, Marta Bou and Bente Ruyter	35
ntermittent fasting with a high-protein diet mitigated osteoarthritis	
ymptoms by increasing lean body mass and reducing inflammation	
n osteoarthritic rats with Alzheimer's disease-like dementia unmin Park and Bae Kun Shin	55
aining rank and bae kun shift	55
cid within serum TAG in adolescent females with overweight or	
besity: a secondary analysis taphaël Chouinard-Watkins, Melissa Calleja, Richard P. Bazinet and Andrea R. Josse	68
	00
Human and Clinical Nutrition	
Coffee and tea consumption and the risk of glioma: a systematic eview and dose-response meta-analysis	
aymond Pranata, Andrea Feraldho, Michael Anthonius Lim,	
oshua Henrina, Rachel Vania, Nyoman Golden and Julius July	78
he making of a classic: the 1974 Durnin–Womersley body omposition paper	
teven B. Heymsfield and Boyd J. G. Strauss	87
Dietary Surveys and Nutritional Epidemiology	
nthropometric cut-points for discriminating diabetes and the	
netabolic syndrome among Arabs and Asians: the Kuwait Diabetes	
ipidemiology Program lictor M. Oguoma, Neil T. Coffee, Saad Alsharrah, Mohamed Abu-Farha,	
aisal H. Al-Refaei, Abdullah Alkandari, Fahd Al-Mulla and Mark Daniel	92
Oral nutritional supplement use is weakly associated with increased	
ubjective health-related quality of life in malnourished older adults: multicentre randomised controlled trial	
isa Söderström, Leif Bergkvist and Andreas Rosenblad	103
ating context and ultraprocessed food consumption among UK adolescents	
. Rauber, C. A. Martins, C. M. Azeredo, P. S. Leffa, M. L. C. Louzada Ind R. B. Levy	112
Nort-based dietary indices and stress in female college students:	112
cross-sectional study hadeer S. Aljuraiban	123
ist of Reviewers	
<i>ist of Reviewers</i> ist of Reviewers	

Corrigendum

Long-term effect of parental selenium supplementation on the one-carbon metabolism in rainbow trout (*Oncorhynchus mykiss*) fry exposed to hypoxic stress - CORRIGENDUM

Pauline Wischhusen, Cécile Heraud, Kaja Skjærven, Sadasivam J. Kaushik, Benoit Fauconneau, Philip Antony Jesu Prabhu and Stéphanie Fontagné-Dicharry





148

MIX Paper from responsible sources FSC[®] C007785

CAMBRIDGE **UNIVERSITY PRESS**

cambridge Journals Online For further information about this journal

please go to the journal website at: journals.cambridge.org/bjn

oL-Methionine supplementation in a low-fishmeal diet affects the TOR/S6K pathway by stimulating ASCT2 amino acid transporter and insulin-like growth factor-I in the dorsal muscle of juvenile cobia (<i>Rachycentron canadum</i>) – CORRIGENDUM Yuanfa He, Shuyan Chi, Beiping Tan, Xiaohui Dong, Qihui Yang, Hongyu Liu,	
Shuang Zhang, Fenglu Han and Di Liu	150
Expression of concern	
Favorable effects of the Dietary Approaches to Stop Hypertension diet on glucose tolerance and lipid profiles in gestational diabetes: a randomised clinical trial – Expression of concern Zatollah Asemi, Zohreh Tabassi, Mansooreh Samimi, Taherh Fahiminejad and Ahmad Esmaillzadeh	151
The favorable effects of long-term selenium supplementation on regression of cervical tissues and metabolic profiles of patients with cervical intraepithelial neoplasia: a randomised, double-blind, placebo-controlled trial – Expression of concern Maryam Karamali, Sepideh Nourgostar, Ashraf Zamani, Zahra Vahedpoor and Zatollah Asemi	152
The effects of synbiotic supplementation on markers of insulin metabolism and lipid profiles in gestational diabetes: a randomised, double-blind, placebo-controlled trial – Expression of concern Shahnaz Ahmadi, Mehri Jamilian, Maryam Tajabadi-Ebrahimi,	
Parvaneh Jafari and Zatollah Asemi The effects of vitamin D, K and calcium co-supplementation on carotid intima-media thickness and metabolic status in overweight type 2 diabetic patients with CHD – Expression of concern Zatollah Asemi, Fariba Raygan, Fereshteh Bahmani, Zohreh Rezavandi, Hamid Reza Talari, Motahereh Rafiee, Somayyeh Poladchang, Manijeh Darooghegi Mofrad, Sara Taheri, Ali Akbar Mohammadi and Ahmad Esmaillzadeh	153 154
The effects of selenium supplementation on biomarkers of inflammation and oxidative stress in patients with diabetic nephropathy: a randomised, double-blind, placebo-controlled trial – Expression of concern Fereshteh Bahmani, Mahsa Kia, Alireza Soleimani, Ali Akbar Mohammadi and Zatollah Asemi	155
Synbiotic supplementation and the effects on clinical and metabolic responses in patients with rheumatoid arthritis: a randomised, double-blind, placebo-controlled trial – Expression of concern Batol Zamani, Shima Farshbaf, Hamid R. Golkar, Fereshteh Bahmani and Zatollah Asemi	156
Selenium supplementation lowers insulin resistance and markers of cardio-metabolic risk in patients with congestive heart failure: a randomised, double-blind, placebo-controlled trial – Expression of concern Fariba Raygan, Milad Behnejad, Vahidreza Ostadmohammadi, Fereshteh Bahmani, Mohammad A Mansournia, Fatemeh Karamali and Zatollah Asemi	157
Long-term vitamin D and high-dose n-3 fatty acids' supplementation improve markers of cardiometabolic risk in type 2 diabetic patients with CHD – Expression of concern Hamid Reza Talari, Vahid Najafi, Fariba Raygan, Naghmeh Mirhosseini, Vahidreza Ostadmohammadi, Elaheh Amirani, Mohsen Taghizadeh, Mohammad Hajijafari, Rana Shafabakhash and Zatollah Asemi	158
Effects of magnesium supplementation on carotid intima—media thickness and metabolic profiles in diabetic haemodialysis patients: a randomised, double-blind, placebo-controlled trial — Expression of concern Hamid Reza Talari, Mehrafrouz Zakizade, Alireza Soleimani, Fereshteh Bahmani, Amir Ghaderi, Naghmeh Mirhosseini, Masoumeh Eslahi, Mahtab Babadi, Mohammad Ali Mansournia and Zatollah Asemi	159
The effects of omega-3 fatty acids from flaxseed oil on genetic and metabolic profiles in patients with gestational diabetes mellitus: a randomized, double-blind, placebo-controlled trial – Expression of concern Mehri Jamilian, Zohreh Tabassi, Željko Reiner, Ida Panahandeh, Fatemeh Naderi, Esmat Aghadavod, Elaheh Amirani, Mohsen Taghizadeh, Rana Shafabakhsh, Mahbobeh Satari, Mohammad Ali Mansournia,	
Mohammad Reza Memarzadeh and Zatollah Asemi	160