# PUBLIC HEALTH NUTRITION

Volume 19

Number 8

June 2016

Available online at www.journals.cambridge.org/phn



## Public Health Nutrition

Volume 19, 2016 ISSN: 1368-9800 Eighteen issues per year

### Aims and Scope

Public Health Nutrition provides an international forum for the publication and dissemination of research and scholarship in the form of peer-reviewed original papers and reviews, and for discussion in the form of editorials, commentaries, and correspondence, with a specific focus on nutrition-related public health.

The scope of Public Health Nutrition includes food systems and supplies, patterns of diet, foods and drinks, nutrients, body composition, physical activity, and associated factors, and their effects on disease, health and well-being, and the whole living and physical world. We welcome papers that:

· Address nutritional status assessment, monitoring, and surveillance

Editor-in-Chief

**Deputy Editors** 

Dr Carl Lachat

Dr Irja Haapala

Statistics Editor

Rrazil

of Aberdeen

Associate Editors

Health, Mexico

Ethiopia

Australia

Medical Sciences, Iran

Saskatchewan, Canada Dr Maxine Bonham, Monash University,

Dr Allison Hodge

Gent University, Belgium

Auckland, New Zealand

Research Professor Marilyn Tseng

California Polytechnic State University San Luis Obispo, USA Email: phn@nutsoc.org.uk

University of Melbourne, Australia

**Dr Eduardo Villamor,** University of Michigan School of Public Health, USA

Mrs Zulfa Abrahams Human Sciences Research Council, South Africa

Dr Flávia Barbosa State University of Rio de

Janeiro, Brazil Dr Vassiliki Bountziouka University College

Mr Fabio S. Gomes National Cancer Institute,

Dr Graham Horgan Rowett Institute, University

Systematic Reviews and Meta-Analyses Editor Dominique Roberfroid, Institute of Tropical Medicine, Belgium

Dr Simon Barquera, National Institute of Public

Dr Leila Azadbakht, Isfahan University of

Dr Kaleab Baye, Addis Ababa University,

Dr Shawna Berenbaum, University of

Dr. Stefanie Vandevijvere, University of

Supplement and Special Issues Editor

University of Eastern Finland, Finland

- · Identify and analyse social, cultural, biological, environmental, economic and political determinants of nutrition-related public
- · Build intelligence about the development and evaluation of environmental and settings-based interventions focused on the availability of foods including interventions in the out of home eating environment.

- Describe, discuss, debate and influence food and nutrition
- Focus on improving food and nutrition-related public health, particularly in populations that are most vulnerable and at risk.
- Discuss and build capacity for effective public health nutrition action, including workforce development and educational issues
- · Develop and test innovative and emerging models, methods and approaches to public health nutrition practice and research

We prefer papers that are innovative and contribute new knowledge to the literature. Papers should be succinct (ie, usually well under 5,000 words not including the abstract, references, tables, figures and acknowledgements). Short communications are welcome. We publish research, scholarship, and discussions that take a population and preventive approach. In addition to original contributions, ideas and suggestions for topics for debate are also welcome. We publish special issues.

Public Health Nutrition is available on the Internet at: journals.cambridge.org/phn

#### **International Editorial Board**

Dr Julie Kay Brimblecombe, Royal Darwin

Hospital Campus, Australia

Dr Maree Brinkman, University of Melbourne,

**Dr Mona Calvo,** U.S. Food and Drug Administration Department of Health and Human Services, ÚSA

Professor Sandra Capra, University of Queensland, Australia

Professor Karen Cullen, Baylor College of Medicine, USA

Professor Lisbeth Dahl, National Institute of Nutrition and Seafood Research, Norway Prof. Hélène Delisle, University of Montreal,

Dr Colleen Doak, VU University, Amsterdam Professor Mieke Faber, Medical Research Council,

South Africa

Dr. Anouk Geelen, Wageningen University,

Professor Denise Gigante, Federal University of Pelotas, Brazil

Professor Ted Greiner Hanyang University, Republic

Dr Jennifer L Harris, Yale University, USA **Dr Sophie Hieke,** European Food Information Council (EUFIC), Belgium

Dr Alexis Hure, University of Newcastle, Australia Dr Bridget Kelly, University of Wollongong, Australia

Dr Colette Kelly, National University of Ireland,

Northern Ireland

Dr Cécile Knai, London School of Hygiene &
Tropical Medicine, University of London, UK

Professor Salome H Kruger, North-West University, Potchefstroom, South Africa Professor Christel Lamberg-Allardt University of Helsinki, Finland

Dr Cindy Leung, University of California,

United States Dr Nanna Lien, University of Oslo, Norway

**Dr Zandile Mchiza,** Medical Research Council of South Africa, South Africa

Dr Rachael McLean, University of Otago,

Prof Alida Melse, Wageningen University, Netherlands Assistant Professor Androniki Naska

University of Athens Medical School, Greece Professor Wendy Oddy, University of Western Australia, Australia

Dr Punam Ohri-Vachaspati Arizona State University, USA

Professor Nicholas Ollberding, Cincinnati Children's Hospital Medical Center, United States

Dr Demosthenes Panagiotakos,

Harokopio University, Greece
Dr Natalie Parletta, University of South Australia,

Dr Emma Patterson, Centre for Epidemiology and Social Science

Professor Lisa Pawloski, George Mason University, USA

Dr Natalie Pearson, Loughborough University, UK Professor Rosangela Pereira, Federal University of Rio de Janeiro, Brazil

Associate Professor Eva Roos, Folkhälsan Research Institute, Finland

Dr Kevin Sullivan, Rollins School of Public Health at Emory University, USA
Professor Inge Tetens National Food Institute,

Dr Lukar E Thornton, Deakin University, Australia

Dr Anne Marie Thow, University of Sydney,

Professor Gavin Turrell, Queensland University of Technology, Australia

Dr Jesus Vioque, Universidad Miguel Hernandez,

Dr Yanfang Wang, Peking University Clinical Research Institute, China

Dr. Wilma E. Waterlander, University of Auckland, New Zealand

Assistant Professor Wen You Virginia Polytechnic University, USA

Dr Shannon Zenk, University of Illinois at Chicago, USA

#### The Nutrition Society

The society has as its objective the advancement of the scientific study of nutrition and its application to the maintenance of human and animal health.

Particulars of The Nutrition Society and application forms for membership are available from the Honorary Secretary, The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, London W6 7NJ, UK. Telephone +44 (0)20 7602 0228, Fax +44 (0)20 7602 1756

The Nutrition Society home page is at: http://www.nutritionsociety.org