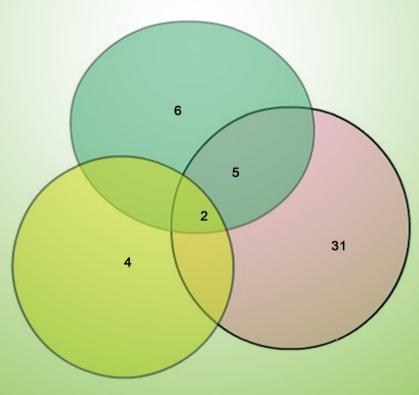


# Food and Nutrition Sciences

#### Hypercholesterolemia

N = 14



Hypertriglyceridemia

N = 4

Low HDL-c n = 37



www.scirp.org/journal/fns

## **Journal Editorial Board**

ISSN Print: 2157-944X ISSN Online: 2157-9458

http://www.scirp.org/journal/fns

#### **Editor-in-Chief**

Prof. Alessandra Bordoni University of Bologna, Italy

#### **Associate Editors-in-Chief**

Prof. Xufeng HuangUniversity of Wollongong, AustraliaProf. Michael G. KontominasUniversity of Ioannina, Greece

#### **Editorial Board**

Dr. Lucy Thairu

Dr. Kayanush J. AryanaLouisiana State University, USADr. Lauri O. ByerleyLouisiana State University, USADr. Daniel CozzolinoThe University of Adelaide, AustraliaProf. Kelvin J. A. DaviesUniversity of Southern California, USA

Prof. Asim K. Duttaroy University of Oslo, Norway

Dr. Anthony Fardet Institute National de la Recherche Agronomique (INRA), France

Prof. Tomas GirbesUniversity of Valladolid, SpainDr. Beau K. GreerSacred Heart University, USADr. Jeffrey S. HamplArizona State University, USAProf. Yong HeZhejiang University, ChinaDr. Kimberly B. HeidalEast Carolina University, USA

Prof. Yu Huang Chinese University of Hong Kong, China

Dr. Jagat R. KanwarDeakin University, AustraliaDr. Dalia El KhouryMead Johnson Nutrition, CanadaProf. Patricia A. KrukUniversity of South Florida, USADr. Jean-Claude LavoieUniversity of Montreal, CanadaDr. Josef Friedhelm MarxUniversity of Bonn, Germany

Dr. Francisco Javier Moreno Autonomous University of Madrid, Spain

Prof. Hasan MukhtarUniversity of Wisconsin, USADr. Maurice O'SullivanUniversity College Cork, IrelandDr. Mustafa Zafer OzelThe University of York, UK

**Dr. Uma Devi Palanisamy**Monash University Sunway Campus, Australia

Prof. Young W. Park Fort Valley State University, USA

Dr. Salina Parveen University of Maryland Eastern Shore, USA

Dr. Reza Poureslami Insta-Pro International, USA Dr. Jayadev Raju Health Canada, Canada Prof. Sherif Sabry Menoufia University, Egypt Prof. Charles R. Santerre Purdue University, USA Dr. Mykola Shynkaryk The Ohio State University, USA Dr. Heidi J. Silver Vanderbilt University, USA Prof. Jesus Simal-Gandara University of Vigo, Spain Prof. Linda G. Snetselaar The University of Iowa, USA

Dr. Brijesh Kumar Tiwari Manchester Metropolitan University, UK

Touro University, USA

Prof. Alan C. Tsai
Asia University, Chinese Taipei
Dr. Thomas T. Y. Wang
Johns Hopkins University, USA

Dr. Ali Abas WaniTechnical University of Munich, GermanyDr. Jack Wing Tak WongStanford University School of Medicine, USA



Volume 8

Number 1

ISSN Online: 2157-9458 ISSN Print: 2157-944X

January 2017

## **Table of Contents**

volume o mamber 1	junuary 2017
Developing a Questionnaire for Prediction of H Analysis from Dietary Habits and Urinary Sodi	
C. Horikawa, N. Murayama, E. Tochikura, E. Ishida, M. Sasaya, M. Koide, A. Oyanagi, R. Yonekura, Y. Ir	M. Kojima, S. Isobe, K. Suzuki, K. Fueta, M. Kira, iyama, Y. Nakajima, C. Hatano, J. Horii1
Prevalence of Non-Communicable Diseases and According to Differences in Household Income National Health and Nutrition Survey	
C. Horikawa, N. Murayama, A. Ota, M. Tsuruta, S. M	Matsunaga, K. Fujihara, O. Hanyu, H. Sone19
Effect of Cooking and Reconstitution Methods Pigmented and Unpigmented Potatoes	on the Loss of Bioactive Compounds in
M. Z. Alam, G. Wang-Pruski, M. Hodges, G. R. Haw	kins, M. D. Kubik, S. A. E. Fillmore31
Dyslipidemia and Related Risk Factors in a Sau	di University Community
F. Hamam	56
Quality and Technological Properties of Gluter Pachyrhizus ahipa Flour as a Novel Ingredient	1-Free Biscuits Made with
M. C. Doporto, F. Sacco, S. Z. Viña, M. A. García	70
Evaluation of Antioxidant, Antiglycant and AC Hydrolysates of $\alpha$ -Lactalbumin	E-Inhibitory Activity in Enzymatic
A. M. Fernández-Fernández, T. López-Pedemonte, A	A. Medrano-Fernandez84
Vitamin D Insufficiency among Women Post-Health Concern	artum in Northern Sweden—A Public
P. Hasslöf, F. K. Videhult, S. A. Silfverdal, C. E. West	, C. Stecksén-Blicks99
Chemical and Biological Comparative in Vitro Bark and Lemon Peel Essential Oils	Studies of Cinnamon
E. M. Elgendy, H. S. Ibrahim, H. F. Elmeherry, A. G.	Sedki, F. U. Mekhemer
Nutritional, Chemical and Organoleptical Char Incorporating Stevioside as a Natural Sweetene	
H. Barakat, A. Al-Furaydi, A. Al-Harbi, A. Al-Shedo	okhi126

#### Food and Nutrition Sciences, 2017, 8, 1-188





ISSN Online: 2157-9458 ISSN Print: 2157-944X

Discovery of New Stilbene Antioxidants of the Bio-Elicited Peanut Sprout Powder (BPSP)	and
Longevity Extension of Mice Fed with BPSP-Supplemented Diets	
R. YY. Chiou, PC. Chiu, JC. Chang, YJ. Li, CW. Hsieh, JY. Wu, SM. Lin, YL. Lin, B. BC. V	Veng141
Effect of Zeolite on Small Intestine Microbiota of Broiler Chickens: A Case Study	
S. L. Gall-David, V. Meuric, G. Benzoni, S. Valière, A. Guyonvarch, J. Minet, M. Bonnaure-Mallet,	
F. Barloy-Hubler	163

## Food and Nutrition Sciences (FNS) Journal Information

#### **SUBSCRIPTIONS**

The *Food and Nutrition Sciences* (Online at Scientific Research Publishing, <a href="www.SciRP.org">www.SciRP.org</a>) is published monthly by Scientific Research Publishing, Inc., USA.

#### Subscription rates:

Print: \$89 per copy.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

#### **SERVICES**

#### Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

#### Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

#### **COPYRIGHT**

#### Copyright and reuse rights for the front matter of the journal:

Copyright © 2017 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

http://creativecommons.org/licenses/by/4.0/

#### Copyright for individual papers of the journal:

Copyright © 2017 by author(s) and Scientific Research Publishing Inc.

#### Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

#### Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

#### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: fns@scirp.org



## Call for Papers

# **Food and Nutrition Sciences**

ISSN Print: 2157-944X ISSN Online: 2157-9458

http://www.scirp.org/journal/fns

Food and Nutrition Sciences (FNS) is a peer reviewed international journal dedicated to the latest advancement in related areas. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

## **Subject Coverage**

All manuscripts submitted to FNS must be previously unpublished and may not be considered for publication elsewhere at any time during FNS's review period. Additionally, accepted ones will immediately appear online followed by printed in hard copy. Topics to be covered by this journal include, but are not limited to:

- Animal Nutrition
- Antioxidants and Phytochemicals in Food
- Byproducts Processing and Utilization
- Calorie Intake and Consumption
- Carbohydrates and Fibers
- Clinical Nutrition
- Consumer Choice, Preferences, and Concerns
- Diets and Diseases
- Eating Disorders
- Food Chemistry, Engineering and Microbiology
- Food Conservation and Preparation
- Food Machinery
- Food Packaging
- Food Processing Technology
- Food Safety and Hygiene
- Food Science and Technology

- Grain and Oil Engineering
- Healthy Eating Initiatives
- Hormonal Regulations
- Malnutrition
- Maternal and Infant Nutrition
- Metabolism and Nutrition Physiology
- Molecular Gastronomy
- Nutrient Metabolism
- Nutrition and Immunology
- Obesity
- Proteins and Amino Acids
- Public Health Nutrition
- Sensory Analysis
- Sports Nutrition
- Vitamins and Minerals

E-mail: fns@scirp.org

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of FNS.

## **Notes for Intending Authors**

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

### Website and E-Mail

http://www.scirp.org/journal/fns