

ISSN: 2157-944X Volume 9, Number 12, December 2018



Food and Nutrition Sciences



ISSN: 2157-944X



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 Huang

University of Wollongong, Australia

Prof. Michael G. Kontominas

University of Ioannina, Greece

Editorial Board

Dr. Kayanush J. Aryana

Louisiana State University, USA

Dr. Lauri O. Byerley

Louisiana State University, USA

Dr. Daniel Cozzolino

The University of Adelaide, Australia

Prof. Kelvin J. A. Davies

University 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 Girbes

University of Valladolid, Spain

Dr. Beau K. Greer

Sacred Heart University, USA

Dr. Jeffrey S. Hampl

Arizona State University, USA

Prof. Yong He

Zhejiang University, China

Dr. Kimberly B. Heidal

East Carolina University, USA

Prof. Yu Huang

Chinese University of Hong Kong, China

Dr. Jagat R. Kanwar

Deakin University, Australia

Dr. Dalia El Khoury

University of Guelph, Canada

Prof. Patricia A. Kruk

University of South Florida, USA

Dr. Jean-Claude Lavoie

University of Montreal, Canada

Dr. Josef Friedhelm Marx

University of Bonn, Germany

Dr. Francisco Javier Moreno

Autonomous University of Madrid, Spain

Prof. Hasan Mukhtar

University of Wisconsin, USA

Dr. Maurice O'Sullivan

University College Cork, Ireland

Dr. Mustafa Zafer Ozel

The 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. Lucy Thairu

Touro University, USA

Dr. Brijesh Kumar Tiwari

Manchester Metropolitan University, UK

Prof. Alan C. Tsai

Asia University, Chinese Taipei

Dr. Thomas T. Y. Wang

Johns Hopkins University, USA

Dr. Ali Abas Wani

Technical University of Munich, Germany

Dr. Jack Wing Tak Wong

Stanford University School of Medicine, USA

Table of Contents

Volume 9 Number 12

December 2018

Emulsification Properties of Lactose Fatty Acid Esters

S.-M. Lee, A. Wagh, G. Sandhu, M. K. Walsh.....1341

Predicting Healthy Eating Intentions in Saudi Adults

H. H. Al Otaibi.....1358

Determination of Paraquat in Several Commercially Available Types of Rice

T. L. Lima, M. A. Nicoletti, C. Munhoz, G. R. De Abreu, J. Z. Magalhães, E. L. Ricci,
P. A. F. Waziry, J. N. A. da Costa, A. C. N. Antônio, A. R. Fukushima.....1368

Anti-Allergic Effect of Para-Probiotics from Non-Viable Acetic Acid Bacteria in Ovalbumin-Sensitized Mice

S. Nakamura, F. Mitsunaga.....1376

Bacterial Transfer to Cups and Water by Drinking

P. Dawson, H. Thorson, K. Hooton, J. Runey, D. Hughes, S. Foster, M. Roskosky,
S. Fain-Swartz, D. Lynn, I. Han.....1386

Yacon Product (PBY) Modulates Intestinal Constipation and Protects the Integrity of Crypts in Wistar Rats

M. de Souza Lima Sant'Anna, V. C. Rodrigues, T. F. Araújo, T. T. de Oliveira,
M. do Carmo Gouveia Pelúzio, C. L. de Lucas Fortes Ferreira.....1391

Sensory Profiling of Two Commercial Ground-Roasted Arabica Filter Coffees Presented with and without Sweetener and Milk

C. N. Stokes, J. P. Kerry, M. G. O'Sullivan.....1408

Traditional Mead “Bessoudioury” from Senegal: Process and Characterization

O. I. K. Cisse, B. Ndiaye, P. G. Faye, N. C. Ayessou, M. Gueye, M. Cisse, C. M. Diop.....1424

Impact of Lifestyle Intervention on the Estimated Visceral Fat Area and Skeletal Muscle Mass in Men with Obesity

A. M. Almajwal.....1434

Development of Maize-Tigernut Fortified Weaning Food Using Starter Cultures

S. M. Wakil, J. O. Ola.....1444

Secular Changes in Child Height in Japan and South Korea: Consumption of Animal Proteins and “Essential Nutrients”

H. Mori.....1458

Sensory Profiling and Hedonic Evaluation of Attiéké from Local and Improved Cassava Varieties

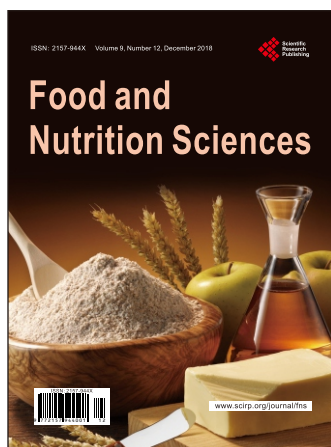
J. B. Assanvo, G. N’zi Agbo, J. B. Beez, V. Monsan, Z. Farah.....1472

Dietary Effect of Squalene on Lipid Metabolism of Obese/Diabetes KK-*A*^r Mice and Wild-Type C57BL/6J Mice

S. K. Liu, M. Hosokawa, K. Miyashita.....1498

Effect of Initial Size and Shape Importance on Masse Transfer during Convective Drying

K. H. Ouoba, F. Zougmore, H. Desmorieux.....1514



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

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>

E-mail: fns@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org