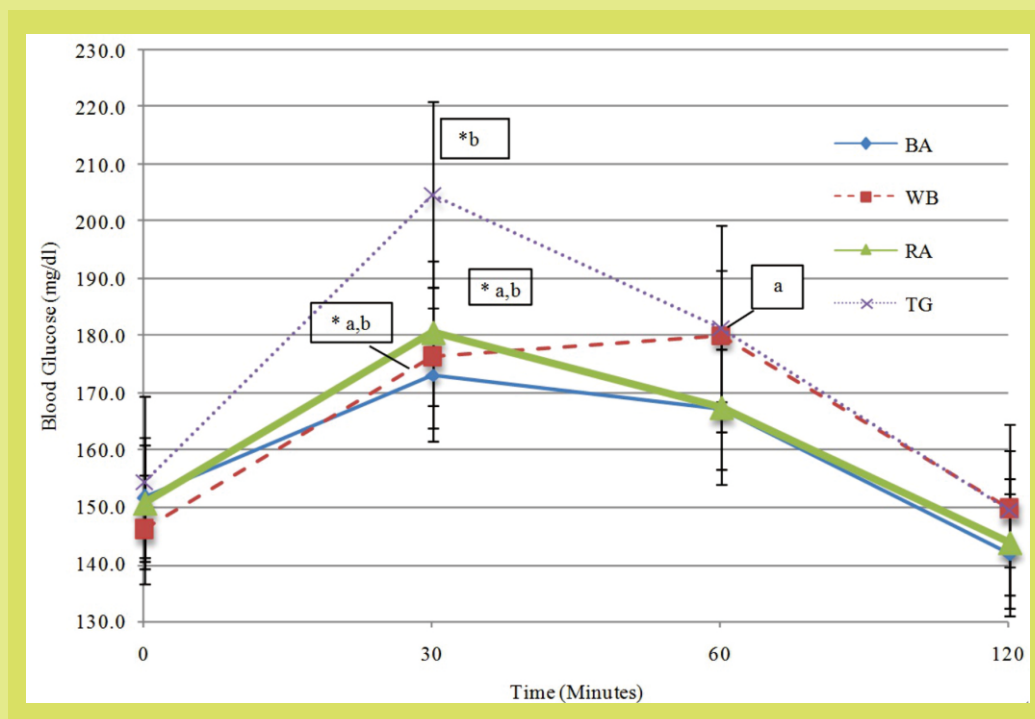




Food and Nutrition Sciences



ISSN: 2157-944X



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

Prof. Yousheng Li Nanjing University, China

Editorial Board

Dr. Kayanush J. Aryana	Louisiana State University, USA
Dr. Nick Bellissimo	Ryerson University, Canada
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	Institut National de la Recherche Agronomique, France
Dr. Beau K. Greer	Sacred Heart University, USA
Prof. Giulia Guerriero	University of Naples Federico II, Italy
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, Hong Kong (China)
Prof. Federico Infascelli	University of Naples Federico II, Italy
Dr. Jagat R. Kanwar	Deakin University, Australia
Dr. Dalia El Khoury	University of Toronto, Canada
Prof. Patricia A. Kruk	University of South Florida, USA
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. Akhilesh K. Pandey	Texas Tech University Health Sciences Center, USA
Prof. Young W. Park	Fort Valley State University, USA
Dr. Glen S. Patten	Commonwealth Scientific and Industrial Research Organization, Australia
Dr. Reza Poureslami	Insta-Pro International, USA
Prof. Charles R. Santerre	Purdue University, USA
Dr. Vicki L. Schlegel	University of Nebraska-Lincoln, USA
Dr. Mykola Shynkaryk	The Ohio State University, USA
Dr. Geeta Sikand	University of California, USA
Prof. Jesus Simal-Gandara	University of Vigo, Spain
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 3 Number 9

September 2012

A Comparative Study of the Fatty Acid Composition of Dairy Products and Margarines with Reduced or Substituted Fat Content

T. Ritvanen, T. Putkonen, K. Peltonen.....1189

Selenium Content in Blood of Donors from the North of Rio de Janeiro State, Brazil

J. B. Silva, K. S. Ferreira, S. B. Almeida, L. P. Duarte.....1197

Effect of Nutrition Education Using Self-Monitoring of Blood Glucose (SMBG) on Glycemic Control in Non-Insulin-Treated Obese Type 2 Diabetes Patients

M. Hasegawa, H. Sasaki, M. Hara, N. Murayama.....1202

Transgenic Vegetable Breeding for Nutritional Quality and Health Benefits

J. S. Dias, R. Ortiz.....1209

C₁₆ Saturated Fatty Acid Induced Autophagy in A549 Cells through Topoisomerase I Inhibition

S. Karna, W. B. Lim, J. S. Kim, S. W. Kim, H. Zheng, K. H. Bae, M. S. Cho, H. K. Oh, O. S. Kim, H. R. Choi, O. J. Kim...1220

Study of Calcium and Sodium Behavior to Identify Milk Adulteration Using Flame Atomic Absorption Spectrometry

P. M. dos Santos, L. F. B. Costa, E. R. Pereira-Filho.....1228

Comment on “Quantitative Evaluation of Commercially Available Test Kit for Ciguatera in Fish”

J. S. M. Ebesu, C. E. Campora.....1233

The Effects of a Primary Nutritional Deficiency (Vitamin B Study)

H. D. Riordan, N. Mikirova, P. R. Taylor, C. A. Feldkamp, J. J. Casciari.....1238

Comparative Study on Five Sudanese Date (*Phoenix dactylifera* L.) Fruit Cultivars

A. M. E. Sulieman, I. A. A. Elhafise, A. M. Abdelrahim.....1245

Evaluation by ICP-MS of Essential, Nonessential and Toxic Elements in Brazilian Fish and Seafood Samples

D. Grotto, B. L. Batista, M. F. H. Carneiro, F. Barbosa Jr.....1252

Dose-Response Relationship between Dietary Polyphenols from Acorns and Parotid Gland Hypertrophy in Pigs

M. G. Cappai, P. Wolf, W. Pinna, J. Kamphues.....1261

Food Sources and Intake of Calcium in a Representative Sample of Spanish Adults

P. Estaire, L. G. González-Rodríguez, A. M. López-Sobaler, R. M. Ortega.....1269

Influence of Various Antioxidants on the Characteristics of Plain Yogurt

B. Brignac, K. J. Aryana.....1277

Acceptability Properties and Antioxidant Potential of Desi Chickpea (*Cicer arietinum* L.) Cultivars

J. A. Garzón-Tiznad, M. I. Ochoa-Lugo, M. J. Heiras-Palazuelos, D. M. Domínguez-Arispuro, E. O. Cuevas-Rodríguez,
 R. Gutiérrez-Dorado, J. Milán-Carrillo, C. Reyes-Moreno.....1281

The Effect of *Prunella* on Anti-Inflammatory Activity in RAW264.7 Mouse Macrophage Cells

M. Kim.....1290

Organic Crop Management Enhances Chicoric Acid Content in Lettuce

C. B. Rajashekar, M.-M. Oh, E. E. Carey.....1296

The Effect of Chitosan Prepared in Different Solvents on the Quality Parameters of Brown Trout Fillets (*Salmo trutta fario*)

G. Alak.....1303

Comparison of Antioxidant Properties of Water and Ethanol Extracts Obtained from Dried Boxthorn (*Lycium chinensis*) Fruit

J.-S. Kim.....1307

Chips Production from Jerusalem Artichoke (*Helianthus tuberosus* L.)

C. Baltacıoğlu, A. Esin.....1321

A Pilot Study on the New USDA Meal Pattern for School Breakfast in a Sample of First-Grade Students

N. Carr, S. Kranz.....1329

The figure on the front cover is from the article published in Food and Nutrition Sciences, 2012, Vol. 3, No. 9, pp. 1296-1302 by Channa B. Rajashekar, Myung-Min Oh and Edward E. Carey.

Food and Nutrition Sciences

Journal Information

SUBSCRIPTIONS

The *Food and Nutrition Sciences* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

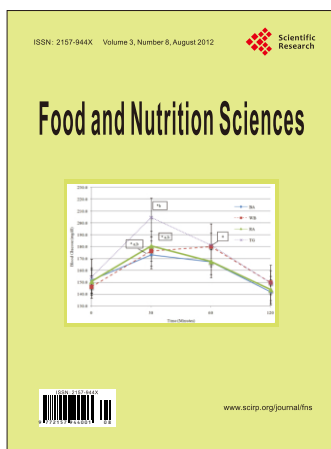
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 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