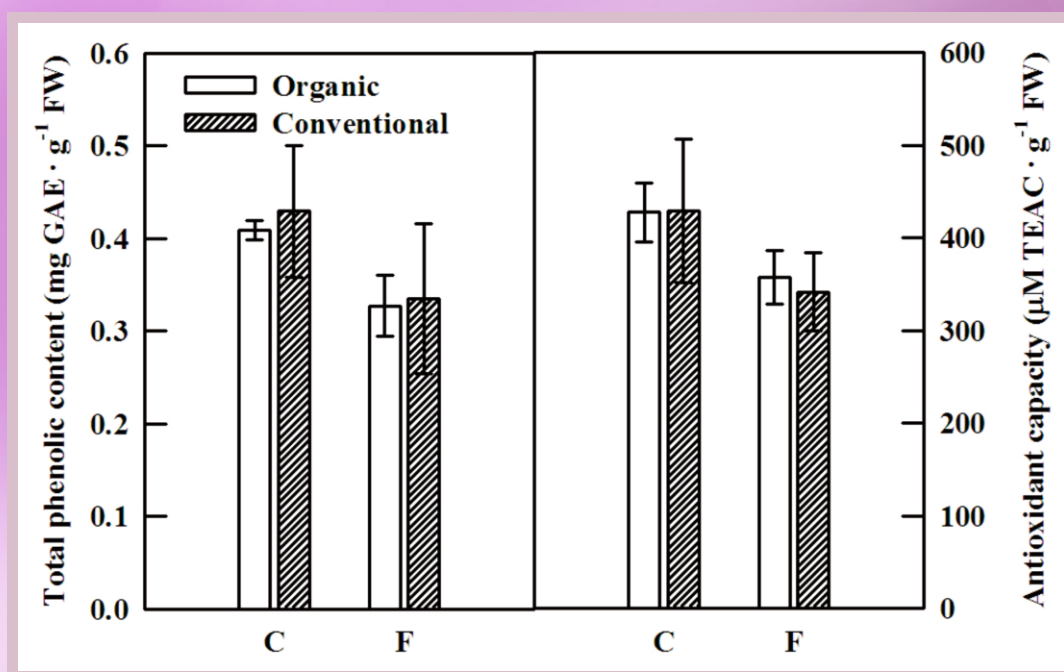




Food and Nutrition Sciences



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. 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. Beau K. Greer Sacred Heart University, USA

Prof. Giulia Guerriero University of Naples Federico II, Italy

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. Abd 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.

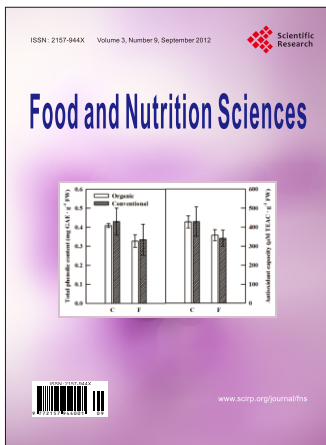
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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:

- | | |
|---|---|
| <ul style="list-style-type: none"> ● 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 | <ul style="list-style-type: none"> ● 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