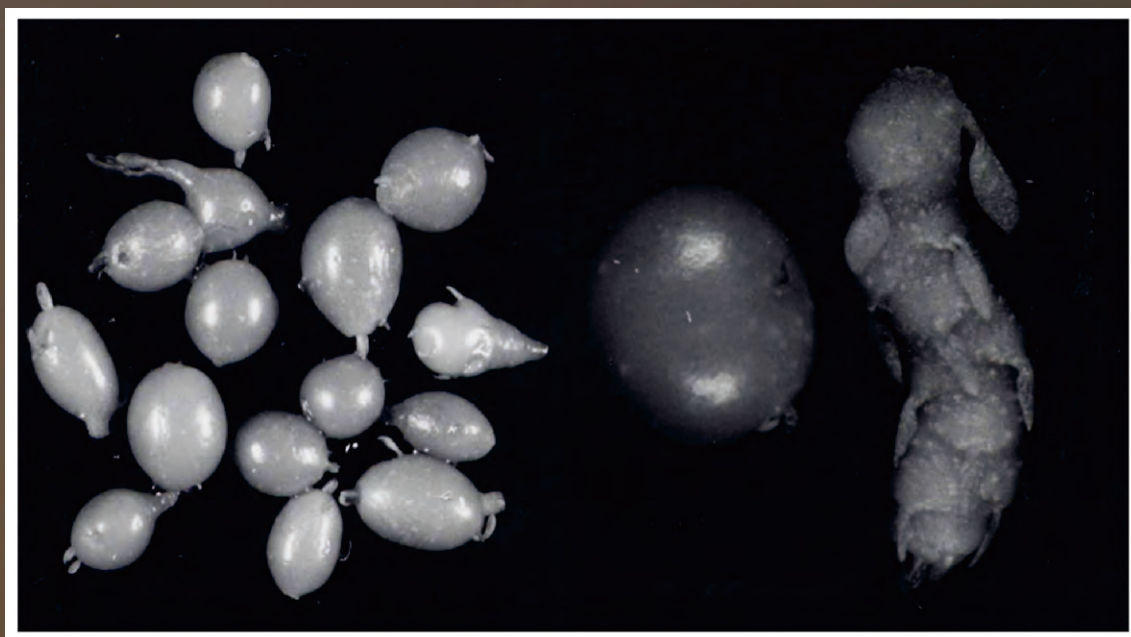


Food and Nutrition Sciences

Special Issue on Starch and Starch Derivatives



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. 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

Institut National de la Recherche Agronomique, France

Prof. Tomas Girbes

University of Valladolid, Spain

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, 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. Jean-Claude Lavoie

University of Montreal, Canada

Dr. Ji Young Lee

University of Connecticut, 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. Maurice O'Sullivan

University College Cork, Ireland

Dr. Mustafa Zafer Özel

The University of York, UK

Dr. Uma Devi Palanisamy

Monash University Sunway Campus, Australia

Prof. Akhilesh K. Pandey

Texas Tech University Health Sciences Center, USA

Prof. Young W. Park

Fort Valley State University, USA

Dr. Salina Parveen

University of Maryland Eastern Shore, USA

Dr. Glen S. Patten

Commonwealth Scientific and Industrial Research Organization, Australia

Dr. Reza Poureslami

Insta-Pro International, USA

Dr. Jayadev Raju

Health Canada, Canada

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

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 5 Number 2

January 2014

Antioxidant and Antimicrobial Activities of Essential Oils Extracted from <i>Laurus nobilis</i> L. Leaves by Using Solvent-Free Microwave and Hydrodistillation	
S. N. El, N. Karagozlu, S. Karakaya, S. Sahn.....	97
(-)-Epigallocatechingallate Interferes RANKL/RANK Signal Pathway and Induces Apoptosis during Osteoclastogenesis in RAW264 Cell	
R. Zhao, M. Kamon, K. Sakamoto.....	107
Effect of Robusta (<i>Coffea canephora</i> P.) Coffee Cherries Storage after Harvest before Putting Out for Sun Drying on Development of Toxigenic Fungi and the Variation of the Physicochemical Components	
I. A. Kouadio, M. K. Koffi, M. B. Dosso.....	117
Effects of Dietary Green Rooibos on Physical Endurance in Swimming Mice	
N. Watanabe, Y. Hara, S. Sakuda, Y. Mori, Y. Furuya, T. Watanabe.....	127
Foodservice Quality: Identifying Perception Indicators of Foodservice Quality for Hospitality Students	
W.-H. Ko, L.-J. Su.....	132
Bioactive Amines: Aspects of Quality and Safety in Food	
M. B. R. Rodriguez, C. da S. Carneiro, M. B. da S. Feijó, C. A. C. Júnior, S. B. Mano.....	138
Nootropic Activity of <i>Caralluma fimbriata</i> Extract in Mice	
R. Rajendran, D. B. Ambikar, R. A. Khandare, V. D. Sannapuri, N. S. Vyawahare, P. Clayton.....	147
Water Adsorption Isotherms of Amaranth (<i>Amaranthus caudatus</i>) Flour	
J. G. P. Balderrama, S. C. C. Cadima.....	153
Patterns of Caffeinated Energy Drinks Consumption among Adolescents and Adults in Hail, Saudi Arabia	
M. Al-I. E. Faris.....	158
Predictors of Meningitis in Under-Fifteen Children Attending an Intensive Care Unit of an Urban Large Diarrheal Disease Hospital in Bangladesh	
F. Afroze, T. Ahmed, S. A. Sarker, A. S. G. Faruque, H. Ashraf, P. K. Bardhan, S. K. Das, M. J. Chisti.....	169
Aged Garlic Extract and One of the Constituent, (+)-(2S,3R)-Dehydrodiconiferyl Alcohol, Inhibits Alkaline Phosphatase Activity Induced by Inflammation Factors in Human Vascular Smooth Muscle Cells	
T. Yamakawa, T. Matsutomo, T. Hofmann, Y. Kodera.....	177
Feeding Study with Bt Corn (MON810: Ajeeb YG) on Rats: Biochemical Analysis and Liver Histopathology	
E. M. Abdo, O. M. Barbary, O. El-S. Shaltout.....	185

**Comparison of Physicochemical, Organoleptic and Nutritional Abilities
of Eight Sweet Potato (*Ipomoea batatas*) Varieties**

E. N. Ellong, C. Billard, S. Adenet.....196

**A Comparative Study of Antioxidant Activities between Fresh and Dry Mushrooms
in the Genera *Cantharellus* and *Afrocantharellus* from Tanzania**

D. D. Tibuhwa.....212

**Comparison of Functional Properties between Native and Chemically Modified Starches
from Acha (*Digitaria Stappii*) Grains**

B. I. Olu-Owolabi, O. O. Olayinka, A. A. Adegbemile, K. O. Adebawale.....222

**Preliminary Evaluations of a Complex Amino Acid Supplement, Fatigue Reviva™, to Reduce Fatigue
in a Group of Professional Male Athletes and a Group of Males Recruited from the General Public**

R. H. Dunstan, D. L. Sparkes, T. K. Roberts, B. J. Dascombe.....231

**Activation of Human Prefrontal Cortex to Pleasant and Aversive Taste
Using Functional Near-Infrared Spectroscopy**

C. H. Hu, Y. Kato, Z. W. Luo.....236

The figure on the front cover is from the article published in Food and Nutrition Sciences, 2014, Vol. 5, No. 2, pp. 212-221 by Donatha Damian Tibuhwa.

Food and Nutrition Sciences (FNS)

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: \$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©2014 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:

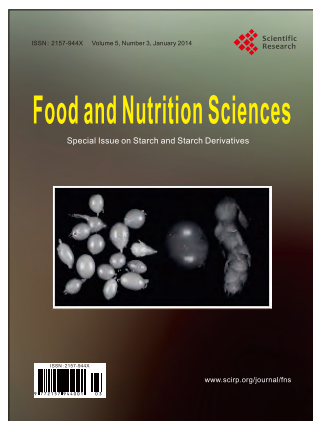
E-mail: fns@scirp.org

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