ISSN: 1949-4998 Vol. 8, No. 4, February 2016



# 





Editor-in-Chief Prof. Leonid P. Titov

www.scirp.org/journal/health

### **Journal Editorial Board**

ISSN 1949-4998 (Print) ISSN 1949-5005 (Online)

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

**Editor-in-Chief** 

Prof. Leonid P. Titov The Republican Research and Practical Center for Epidemiology and

Microbiology, Belarus

**Associate Editor** 

**Prof. Wei-Zhu Zhong** Gordon Life Science Institute, USA

#### **Editorial Board (According to Alphabet)**

Dr. Yiqiang Cai Yale University, USA

Prof. Michael Chia Nanyang Technological University, Singapore

**Prof. James C. S. Chim** The University of Hong Kong, China

Prof. Rose E. Constantino University of Pittsburgh, USA

Dr. Koustuv Dalal Orebro University, Sweden

**Prof. Robert M. Goodman** Indiana University-Bloomington, USA

Prof. Reginald M. Gorczynski University Health Network, Canada

**Prof. Ayman M. Hamdan-Mansour** The University of Jordan, Jordan

Prof. Ron D. Hays
University of California at Los Angeles, USA

Dr. Yohichi Kumaki Utah State University, USA

**Dr. Chih Ming Lin** Cathay General Hospital, Chinese Taipei

Prof. Aron D. Mosnaim Rosalind Franklin University of Medicine and Science, USA

Prof. George Perry University of Texas at San Antonio, USA

**Prof. Michael W. Popejoy** Florida International University, USA

Dr. Jason L. Powell University of Central Lancashire, UK

**Dr. Bruce I. Reiner** Maryland Veterans Affairs Medical Center, USA

Prof. Ramalingam Shanmugam Texas State University, USA

Prof. Sheryl L. Szeinbach Division of Pharmacy Practice and Administration, College of Pharmacy,

The Ohio State University, USA

**Prof. Tetsuya Tanioka** The University of Tokushima, Japan

#### **HEALTH**

#### **Journal Information**

#### **SUBSCRIPTIONS**

The *HEALTH* (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 issue.

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

#### **SERVICES**

#### Advertisements

Advertisement Sales Department, E-mail: <a href="mailto:service@scirp.org">service@scirp.org</a>

#### 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 © 2016 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  $\ensuremath{\mathbb{Q}}$  2016 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: health@scirp.org



## **Table of Contents**

Volume 8 Number 4	February 2016
Changes in Autonomic Nervous System Activity and Mood of Healthy People after Mindfulness Art Therapy Short Version	
M. Ando, S. Ito	279
The Body Suffering and Care Possibilities: A Reflective Look from the Health Economics	
J. H. C. Resende, A. P. de Assis, L. F. M. di Carlantônio, L. C. M. Freitas, T. Tonini, N. M. A. de Figueiredo, L. C. Santiago	285
Evaluation of Nutrition and Physical Activity Knowledge, Attitudes, Self Efficacy and Behaviors in Teachers and Children after Implementation of the "Healthy Active Kids" Online Program in Australian Elementary Schools	
J. A. O'Dea	293
Assessment of Quality of Life, Family Function and Family Empowerment for Families Who Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for a Child with Severe Motor and Intellectual Disabilities in Japanese Provide Home Care for Action Care for	oan
R. Wakimizu, K. Yamaguchi, H. Fujioka, C. Numaguchi, K. Nishigaki, N. Sato, M. Kishino, H. Ozawa, N. Iwasaki	304
Relationship between Serum Visfatin and Obesity in Lead-Exposed Obese Subjects and Patients with Osteoarthritis	
A. T. Numan, A. M. Al-Joda, N. K. Jawad	318
Family Health History and Behavioral Change among Undergraduate Students: A Mixed Methods Study	
R. N. Rooks, C. D. Ford	325
The Outcome of Midwife-Mother Relationship in Delivery Room: A Qualitative Content	Analysis
M. Attarha, Z. Keshavarz, M. Bakhtiari, M. Jamilian	336
The Role of Zinc in Chronic Kidney Disease Patients on Hemodialysis: A Systematic Revie	w
L. C. Neto, M. R. Bacci, L. C. Sverzutt, M. G. Costa, B. C. A. Alves, F. L. Fonseca	344
Relationships among Psychosocial Correlates and Stages of Change in a German-Chinese H. Strobl, Y. P. Duan, S. Tittlbach, W. Brehm	-
Study the Effect of High Dialysate Potassium Solution in Comparison to Low Potassium Dialysate Solution in End Stage Renal Disease Patients	
M. Nourizadeh, M. Shakeri, S. S. B. Mousavi, M. H. Adel, M. H. Najafi, Z. Rezaee, M. Nourizadeh, S. Nourizadeh	363
Application of Precision-Cut Rat Liver Slice to Study the Influence of Monocrotaline,  Tussilago farfara Alkaloids on the Expression of Cytochrome P450 Enzymes	
H. L. Wang, L. Q. Hui, C. Li, T. Liu, C. A. Yu, C. Y. Cao, R. Hao, Y. Zhang	370





# HEALTH

A Journal Published by Scientific Research Publishing, USA http://www.scirp.org/journal/health

#### **■** Editor-in-Chief

Prof. Leonid P. Titov

The Republican Research and Practical Center for Epidemiology and Microbiology, Belarus

**→** Associate Editor

Prof. Wei-Zhu Zhong Gordon Life Science Institute, USA

#### **■**Editorial Board

**Dr. Yiqiang Cai** Yale University, USA

**Prof. Michael Chia** Nanyang Technological University, Singapore

Prof. James C. S. ChimThe University of Hong Kong, ChinaProf. Rose E. ConstantinoUniversity of Pittsburgh, USA

Dr. Koustuv Dalal Orebro University, Sweden

Prof. Robert M. GoodmanIndiana University-Bloomington, USAProf. Reginald M. GorczynskiUniversity Health Network, CanadaProf. Ayman M. Hamdan-MansourThe University of Jordan, Jordan

Prof. Ron D. Hays

University of California at Los Angeles, USA

Dr. Yohichi Kumaki Utah State University, USA

Dr. Chih Ming Lin Cathay General Hospital, Chinese Taipei

Prof. Aron D. Mosnaim Rosalind Franklin University of Medicine and Science, USA

Prof. George PerryUniversity of Texas at San Antonio, USAProf. Michael W. PopejoyFlorida International University, USADr. Jason L. PowellUniversity of Central Lancashire, UK

Dr. Bruce I. Reiner Maryland Veterans Affairs Medical Center, USA

Prof. Ramalingam Shanmugam Texas State University, USA

Prof. Sheryl L. Szeinbach Division of Pharmacy Practice and Administration, College of Pharmacy, The

Ohio State University, USA

Prof. Tetsuya Tanioka The University of Tokushima, Japan

HEALTH is an international journal dedicated to the latest advancement of human health. The goal of this journal is to provide a platform for doctors and academicians all over the world to promote, share, and discuss various new issues and developments in health related problems. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers.

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

#### Notes for Intending Authors

Submitted papers should not be previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. For more details, please access the website.

#### **→** Website and E-Mail

http://www.scirp.org/journal/health E-mail: health@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





Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org