

ISSN: 1949-4998 Volume 10, Number 2, February 2018



HEALTH



ISSN: 1949-4998



9 771949 499002 02

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>

Honorary Editor-in-Chief

Prof. Kuo-Chen Chou Gordon Life Science Institute, San Diego, California, USA

Editors-in-Chief

Prof. Sheng-Xiang Lin Laval University Medical Center, Canada

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

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. 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

Dr. Mayumi Watanabe Niigata University, Japan

HEALTH

Journal Information

SUBSCRIPTIONS

The *HEALTH* (Online at Scientific Research Publishing, www.SciRP.org) 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: service@scirp.org

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 © 2018 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 © 2018 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 10 Number 2

February 2018

Lessons from the Real World: Financial Incentives to Improve Glycemic Control in Patients with Type 2 Diabetes

J. F. O’Leary, J. Howe, J. Rich, G. Melnick.....171

A Study into Blood Flow, Heart Rate Variability, and Body Surface Temperature While Listening to Music

K. Itao, M. Komazawa, H. Kobayashi.....181

Actual Status of Healthy Lifestyle Habits of Public Health Nurses in Japan

Y. Nishida, K. Koide, R. Okamoto, S. Iwamoto, K. Goda, H. Seki, Y. Sugimoto.....189

Relationship among Health Related Quality of Life, Quality of Sleep, and Oral Health Condition

M. Sato, A. Kurokawa, H. Sugimoto, Y. Yasuhara, H. Nakae, Y. Shinohara,
 T. Tanioka, H. Iga, D. Hinode, Y. Suzuki, S. Honda, R. Locsin.....204

Influencing Factors and Improvement Strategies for Indoor Air Quality and Human Thermal Comfort in a Convenience Store

Y.-C. Chen, S.-Y. Chang, C.-H. Cheng, C.-C. Wu.....215

Effects of Grounding (Earthing) on Massage Therapists: An Exploratory Study

G. Chevalier, S. Patel, L. Weiss, C. Pruitt, B. Henry, D. Chopra, P. J. Mills.....228

Evaluation of the Maternal Health Indicators: An Ecological Study from 2000 to 2014

D. R. S. Souza, H. S. Bezerra, J. T. A. Melo, T. T. X. Nobre, F. B. Andrade.....251

The Role of Life Orientation and Cognitive Regulation on Decreasing Job Stress

A. Sadeghi, A. Yousefi, Z. Khedmati.....268



Call for Papers

HEALTH

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

➔ Honorary Editor-in-Chief

Prof. Kuo-Chen Chou

Gordon Life Science Institute, San Diego, California, USA

➔ Editors-in-Chief

Prof. Sheng-Xiang Lin

Laval University Medical Center, Canada

Prof. Leonid P. Titov

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

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. 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

Dr. Mayumi Watanabe

Niigata University, 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