

# Natural Science



https://www.scirp.org/journal/ns

## **Journal Editorial Board**

ISSN: 2150-4091 (Print) ISSN: 2150-4105 (Online)

https://www.scirp.org/journal/ns

#### Honorary Editor-in-Chief

Prof. Kuo-Chen Chou

Gordon Life Science Institute, USA

#### **Associate Editor**

Prof. Sheng-Xiang Lin

Laval University Medical Center, Quebec, Canada

#### **Editorial Board**

**Prof. Tarek Aboul-Fadl** Prof. Fridoon Jawad Ahmad Prof. Hakan Arslan Dr. Lincoln Lima Corrêa Prof. Khalil El-Hami Dr. Marina Frontasyeva Prof. Reba Goodman Dr. Zufeng Guo **Prof. Tai-Yin Huang** Prof. Syed Kamrul Islam Dr. Ming Ji Prof. Robert H. Kretsinger Prof. Peng Li Prof. Giulio Lorenzini **Prof. Mark Lee Morrissey Prof. Sunil Nautiyal Dr. Edward Lee Nelson Prof. Dimitrios P. Nikolelis** Dr. Dongfeng Pan **Dr. Ram Vinod Roy** Prof. Caesar Saloma Dr. Victor B. Semikoz Dr. Mohammad Reza Shadnam Prof. Kenji Sorimachi Dr. Marco Taddia Dr. Likun Tan Dr. Giancarlo T. Tomezzoli Prof. Chao-Fu Wang **Prof. Xin Wang** Dr. Sharif H. Zein Dr. Li-Ru Zhao Dr. Weizhu Zhong

Assiut University, Egypt King Edward Medical University, Pakistan Mersin University, Turkey Para West Federal University, Brazil Kyoto University, Japan Joint Institute for Nuclear Research, Russia Columbia University Health Sciences, USA Johns Hopkins University School of Medicine, USA Pennsylvania State University-Lehigh Valley, USA University of Tennessee, USA Johns Hopkins University School of Medicine, USA University of Virginia, USA University of California, USA University of Parma, Italy University of Oklahoma, USA Institute for Social and Economic Change, India University of California, USA University of Athens, Greece University of Virginia, USA Saint Louis University, USA University of the Philippines Diliman, Philippines Russian Academy of Sciences, Russia KPMG LLP, Canada Dokkyo Medical University, Japan University of Bologna, Italy Scientific Forming Technologies Corporation, USA European Patent Office, USA National University of Singapore, Singapore Nanjing Institute of Geology and Palaeontology, China University of Hull, UK SUNY Upstate Medical University, USA Pfizer Global Research and Development, USA



## **Table of Contents**

#### Volume 11 Number 11

#### November 2019

Discussion of the Book "The Quantum Challenge"	
P. A. Stabnikov	
Effect of Exhausting Exercise on Oxidative Stress in Health, Hemodialysis and Professional Sport	
K. Bojan, P. Marija, VH. Željka	,
Mental State Detection in Classroom Based on EEG Brain Signals	
Y. Gong, S. Xu	,

#### Natural Science (NS) Journal Information

#### SUBSCRIPTIONS

The *Natural Science* (Online at Scientific Research Publishing, <u>https://www.scirp.org/</u>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$89 per copy. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

#### 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:<u>sub@scirp.org</u>

#### COPYRIGHT

#### Copyright and reuse rights for the front matter of the journal:

Copyright © 2019 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 © 2019 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: <u>ns@scirp.org</u>

### **Call for Papers**

## **Natural Science**

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

#### Honorary Editor-in-Chief

Prof. Kuo-Chen Chou

Gordon Life Science Institute, USA

#### Associate Editor

Prof. Sheng-Xiang Lin

#### Editorial Board

Prof. Tarek Aboul-Fadl Prof. Fridoon Jawad Ahmad Prof. Hakan Arslan Dr. Lincoln Lima Corrêa Prof. Khalil El-Hami Dr. Marina Frontasyeva Prof. Reda Goodman Dr. Zufeng Guo Prof. Tai-Yin Huang Prof. Syed Kamrul Islam Dr. Ming Ji

Prof. Robert H. Kretsinger Prof. Peng Li Prof. Giulio Lorenzini Prof. Mark Lee Morrissey Prof. Sunil Nautival Dr. Edward Lee Nelson Prof. Dimitrios P. Nikolelis Dr. Dongfeng Pan Dr. Ram Vinod Roy Prof. Caesar Saloma Dr. Victor B. Semikoz



Dr. Mohammad Reza Shadnam Prof. Kenji Sorimachi Dr. Marco Taddia Dr. Likun Tan Dr. Giancarlo T. Tomezzoli Prof. Chao-Fu Wang Prof. Xin Wang Dr Sharif H Zein Dr. Li-Ru Zhao Dr. Weizhu Zhong

Natural Science is an international journal dedicated to the latest advancement of natural sciences. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of natural sciences. 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 including but not limited to the following fields:

#### Astronomy & Space Sciences

- Astronomy ۵.
- ٨ Astrophysics
- Atmospheric Science
- Space Physics ۵

#### **Earth Science**

- Geography ۵.
- Geology ٨
- Geophysics/Geochemistry ۵
- Oceanography
- Chemistry
  - Analytical Chemistry ۵
  - Biochemistry
  - Computational Chemistry ۵
  - Inorganic Chemistry ۸
  - Organic Chemistry ٨
  - ٨ Physical Chemistry
- Life Science
  - Cell Biology ۵
  - **Computational Biology** ۵

- Genetics
- Immunology
- Medicine/Diseases
- Microbiology
- Molecular Biology
- Neuroscience
- Pharmacology/Toxicology
- Physiology
- Psychology ٨
- Virology ۵
- - Applied Physics ٨
    - Atomic, Molecular, and Optical Physics
  - Biophysics
  - High Energy/Particle Physics
  - Material Science
  - Plasma Physics ۸

#### Others

- Education ۵
- History of Science
- Science and Innovations

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.

#### 2 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.

#### N Website and E-Mail

https://www.scirp.org/journal/ns

E-mail: ns@scirp.org

#### Physics