

# **Open Journal of Applied Sciences**



www.scirp.org/journal/ojapps

# **Journal Editorial Board**

ISSN Print: 2165-3917 ISSN Online: 2165-3925

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

#### Editors-in-Chief

Prof. A. C. Matin	Stanford University School of Medicine, USA
Prof. Harry E. Ruda	University of Toronto, Canada

#### **Editorial Board**

**Prof. Terry L. Alford** Arizona State University, USA Dr. Y. Bilgin Altundas Schlumberger-Doll Research, USA **Dr. Demetrios A. Arvanitis** Academy of Athens, Greece Prof. Idress Hamad Attitalla Botany Department, Faculty of Science, Omar Al-Mukhtar University, Libya **Prof. Ezekiel Bahar** University of Nebraska, USA **Prof. Der-Chen Chang** Georgetown University, USA **Prof. Yong Chen** Ecole Normale Supérieure, France The University of Tennessee, Knoxville, USA **Dr. Paul Crilly** Prof. Andrzej T. Galecki University of Michigan Medical School, USA **Dr. Krassimir Georgiev** Bulgarian Academy of Sciences (BAS), Bulgaria Dr. Chunlei Guo University of Rochester, USA Prof. Paloma R. Horche Polytechnic University of Madri, Spain Dr. Sheng-He Huang University of Southern California, USA **Prof. Deqing Liang** The Chinese Academy of Sciences, China "Gheorghe Asachi" Technical University, Romania **Prof. Rodica Luca** Prof. Wen-Xiu Ma University of South Florida, USA Prof. Jukka P. Matinlinna The University of Hong Kong, China Dr. Vishnu Narayan Mishra Indira Gandhi National Tribal University, India **Prof. Richard Mu** Fisk University, USA **Prof. Valeriv Perminov** Tomsk Polytechnic University, Russia **Prof. Singiresu S. Rao** University of Miami, USA Dr. Jie Shen University of Michigan, USA Dr. M. P. Srinivasan National University of Singapore, Singapore **Dr. Tian Tang** University of Alberta, Canada **Dr. Low-Hong Tong** National University of Singapore, Singapore **Prof. Dimos A. Triantis** Technological Educational Institution of Athens, Greece Dr. Jan Valdman University of South Bohemia, Czech Republic Dr. Giovanni Valdrè University of Bologna, Italy Dr. Yiru Xu University of Michigan Medical School, USA **Prof. Changying Zhao** Shanghai Jiao Tong University, China **Prof. Shufeng Zhou** University of South Florida, USA



Volume 8 Number 11

November 2018

# **Table of Contents**

Research on the Drunk Driving Traffic Accidents Based on Logistic Regression Model	
S. H. Wang, Y. Y. Chen, J. L. Huang, Y. Y. Zhou, Y. Lu	
Finite Element Analysis of Tire Traction Using a Rubber-Ice Friction Model	
H. C. Jung, W. C. Park, K. M. Jeong495	
Drying Temperature Effect on Kernel Damage and Viability of Maize Dried in a Solar Biomass Hybrid Dryer	
J. O. Akowuah, D. Maier, G. Opit, S. McNeill, P. Amstrong, C. Campabadal, K. Ambrose, G. Obeng-Akrofi506	
Effects of Tobacco Pathogens and Their Antagonistic Bacteria on Tobacco Root Exudates	
C. Li, J. Yu, L. Gan, J. G. Sun, C. J. Wang, Q. Wang, S. W. Chen, Y. Yang518	
Preparation of Novel Mesoporous Photocatalyst ${\rm Bi_4O_5Br_2/SBA-15}$ with Enhanced Visible-Light Catalytic Activity	
Y. J. Shu, S. R. Yan, K. J. Dong, J. W. Chen	

## Open Journal of Applied Sciences (OJAppS) Journal Information

#### SUBSCRIPTIONS

The *Open Journal of Applied Sciences* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$79 per issue. 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 © 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: <u>ojapps@scirp.org</u>



# **Call for Papers**

# Open Journal of Applied Sciences

ISSN Print: 2165-3917 ISSN Online: 2165-3925 http://www.scirp.org/journal/ojapps

**Open Journal of Applied Sciences (OJAppS)** is an international peer-reviewed, open-access journal publishing in English original research studies, reviews in diverse areas of applied 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 applied sciences and to keep a record of the state-of-the-art research in related areas.

## Subject Coverage

The journal publishes original papers including but not limited to the following fields:

Applied Behavioral Science Applied Biology Applied Chemistry Applied Ecology Applied Economics Applied Engineering Applied Genetics Applied Geography Applied Linguistics Applied Mathematics Applied Mechanics Applied Philosophy Applied Physics Applied Physiology Applied Psychology Applied Sociology Artificial Intelligence Computing Technology

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 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 submission, please access the website.

Website and E-Mail

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

E-mail: ojapps@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?

Art and Design Review

Advances in

dvances in Biological bemistry Entomolog

Applied Mathematics

Engineering

nii ili a

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

Soft

- 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