

ISSN: 2152-2197

Volume 8, Number 9, August 2017



Journal of Environmental Protection



ISSN: 2152-2197



www.scirp.org/journal/jep

Journal Editorial Board

ISSN: 2152-2197 (Print), 2152-2219 (Online)

<http://www.scirp.org/journal/jep>

Editors-in-Chief

Prof. Thangarasu Pandiyan
Prof. Qingren Wang

National Autonomous University of Mexico (UNAM), Mexico
University of Florida, USA

Editorial Board

Prof. Josh T. Ackerman
Dr. Nanjappa Ashwath
Prof. Jayajit Chakraborty
Prof. Shuguang Deng
Prof. Larry Eugene Erickson
Prof. Ludmila A. Golovleva
Prof. Chin-Pao Huang
Prof. Madan Kumar Jha
Prof. Ganesh Raj Joshi
Prof. Rameshwar S. Kanwar
Prof. Hyun-Joong Kim
Prof. Raghava R. Kommalapati
Prof. Ashok Kumar
Prof. Robert Li
Prof. Roberto Manfredi
Prof. Krishna Mazumdar
Prof. Jiangming Mo
Prof. Subhash C. Mojumdar
Prof. Saied Mostaghimi
Dr. Shaibal Mukerjee
Prof. Pucheng Pei
Prof. Alexey V. Polonikov
Dr. Muneer Aziz Mohammed Saleh
Dr. Mohammad Nahid Siddiqui
Prof. Gilbert Sigua

Prof. Emilson Caputo Delfino Silva
Prof. Hongwen Sun
Prof. Xiangjun Tian
Prof. Cornelia Vasile
Prof. Qingwei Yang
Dr. Ierotheos Zacharias

US Geological Survey, USA
Central Queensland University, Australia
University of South Florida, USA
New Mexico State University, USA
Kansas State University, USA
Russian Academy of Sciences, Russia
University of Delaware, USA
Indian Institute of Technology Kharagpur, India
United Nations Center for Regional Development (UNCRD), Japan
Iowa State University, USA
Seoul National University, South Korea
Prairie View A&M University, USA
University of Toledo, USA
United States Department of Agriculture-Agricultural Research Service, USA
University of Bologna, Italy
Indian Statistical Institute, India
Chinese Academy of Sciences, China
University of Guelph, Canada
Virginia Polytechnic Institute and State University, USA
US Environmental Protection Agency, USA
Tsinghua University, China
Kursk State Medical University, Russia
University Teknologi Malaysia (UTM), Malaysia
King Fahd University of Petroleum & Minerals, Saudi Arabia
United States Department of Agriculture-Subtropical Agricultural
Research Station, USA
Georgia Institute of Technology, USA
Nankai University, China
Chinese Academy of Sciences, China
Laval University, Canada
Chongqing Jiaotong University, China
University of Patras, Greece

Table of Contents

Volume 8 Number 9

August 2017

Diurnal Methane Fluxes as Affected by Cultivar from Direct-Seeded, Delayed-Flood Rice Production

K. R. Brye, A. D. Smartt, R. J. Norman.....957

Investigation of Heavy Metals and Radionuclide's Impact on Environment Due to The Waste Products of Different Iron Processing Industries in Chittagong, Bangladesh

M. S. Rahman, B. S. Barua, Md. R. Karim, M. Kamal.....974

Evaluating Effectiveness and Permanence of Selenium Treatment in a Solid Matrix via Aqueous-Mediated Zero Valent Iron Reaction

S. A. Grieco, D. C. Singer, G. R. Bement.....990

Ambient Levels of TSP, PM10, PM2.5 and Particle Number Concentration in Al Samha, UAE

F. A. Al-Jallad, C. C. Rodrigues, H. A. Al-Thani.....1002

Analysis of Retorted Water Produced from Partial Combustion of Sultani Oil Shale

S. Al-Harashsheh, O. Al-Ayed, M. Amer, M. Moutq.....1018

Locally Sourced Iron and Aluminum Byproducts Decrease Phosphorus Leached from Broiler House Dust Deposited near Ventilation Fans

S. L. Herron, A. N. Sharpley, K. R. Brye, D. M. Miller.....1026

Journal of Environmental Protection (JEP)

Journal Information

SUBSCRIPTIONS

The *Journal of Environmental Protection* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 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 © 2017 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 © 2017 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: jep@scirp.org



Journal of Environmental Protection (JEP)

ISSN: 2152-2197 (Print) ISSN: 2152-2219 (Online)

<http://www.scirp.org/journal/jep>

JEP is an international refereed journal dedicated to the latest advancement of Environmental Protection. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these fast moving areas.

Editors-in-Chief

Prof. Thangarasu Pandiyan

National Autonomous University of Mexico (UNAM), Mexico

Prof. Qingren Wang

University of Florida, USA

Subject Coverage

This journal invites original research and review papers that address the following issues in Environmental Protection. Topics of interest include, but are not limited to:

● Air pollution and air quality

Air pollution monitoring and modeling
Air pollution prevention and control
Air quality measurement and management
Sources of air pollution
Urban/indoor air pollution and control

● Environmental pollution and public health

Chemical pollutants and its effects on health
Effects of air pollution on public health
Food and drug safety control
Global climate changes and human health
Land pollution and its effects on health

● Ecosystem restoration, toxicology and sustainability

Ecosystem restoration
Environmental toxicology
Greenhouse gas emission monitoring and solutions
Hazardous materials management
Radiation safety in atomic industry
Solid waste management
Sustainable development of environment and ecosystem

● Hydrology and water quality

Ground water pollution control
Hydrobiology and water pollution
Methods of monitoring water quality
Modeling and measuring of water pollution

● Wastewater treatment and utilization

New wastewater treatment technologies
New water purification technologies
Purification of drinking-water supplies
Treatment, disposal and discharge of wastewater

● Environment assessment and policy

Environmental impact assessment
Environmental policy
Risk assessment of contaminated environments
Water resources and quality assessment
Water resource protection and sustainable use

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 the *JEP*.

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/jep>

E-mail: jep@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



**Scientific
Research
Publishing**

Website: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org