

Journal of Environmental Protection





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	National Autonomous University of Mexico (UNAM), Mexico
Prof. Qingren Wang	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



Volume 10

Number 7

July 2019

Table of Contents

The Physico-Chemical Water Quality of the Obafemi Awolowo University Teaching and Research Farm Lake, O.A.U. Campus, Ile-Ife, Southwest, Nigeria Determinants of Agroecological Practices Adoption in the Sudano-Sahelian Zone Mapping of Radon (²²⁰Rn and ²²²Rn) Concentration Distribution in a Microclimate Condition Cellar Using Nuclear Track Methodology G. Espinosa, J.-I. Golzarri, A. M. Román-Sedano, F. Castillo......919 Comparison of Carbon Dynamics among Three Cool-Temperate Forests (Quercus serrata, Larix kaempferi and Pinus densiflora) under the Same Climate Conditions in Japan Health Risk Assessment of Heavy Metals and Microbial Quality of Local Tomato (Solanum lycopersicum) of Ouagadougou, Burkina Faso M. K. Somda, D. Kabore, I. Mogmenga, C. A. T. Ouattara, A. Ouattara, Y. Dabire, M. Nikiema, H. B. Mihin, A. Y. Akakpo, O. Ouedraogo, A. S. Traore, A. S. Ouattara......942 Developing Sustainability Rating System for Healthcare Facilities: Focus on Egypt Environmental Forensic Investigation in the Residential Neighborhood Volta Grande IV, Volta Redonda, RJ, Brazil, Using TPH and PAHs Analyses in Soil Samples

Journal of Environmental Protection (JEP) Journal Information

SUBSCRIPTIONS

The *Journal of Environmental Protection* (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 © 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: jep@scirp.org



Journal of Environmental Protection



Editors-in-Chief

Prof. Qingren Wang

Prof. Thangarasu Pandiyan

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

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

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

Journal of Environmental Protection (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

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

areas.

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

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

- 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
- 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

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