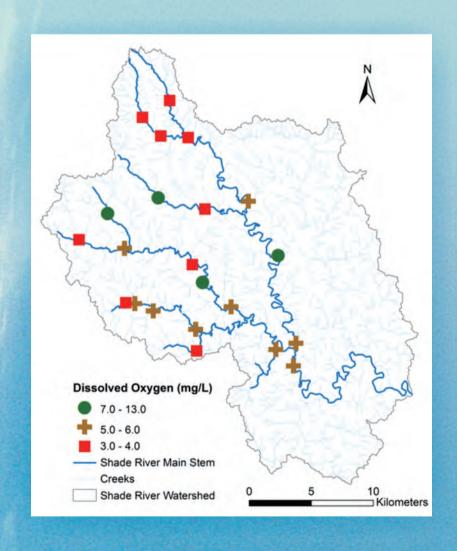




Journal of **Environmental Protection**





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

Dr. Qingren WangUniversity of Florida, USA

Editorial Advisory Board

Prof. Hongyan Liu Peking University, China

Editorial Board

Dr. Josh T. Ackerman U.S. Geological Survey, USA

Dr. Nanjappa AshwathCentral Queensland University, AustraliaProf. Shuguang DengNew Mexico State University, USAProf. Ludmila A. GolovlevaRussian Academy of Sciences, Russia

Prof. Chin-pao HuangUniversity of Delaware, USA

Prof. Madan Kumar Jha Indian Institute of Technology Kharagpur, India

Dr. Jan Åke Jönsson Lund University, Sweden

Dr. Ganesh Raj JoshiUnited Nations Center for Regional Development (UNCRD), Japan

Prof. Rameshwar S. Kanwar Iowa State University, USA

Prof. Hyun-Joong KimSeoul National University, South KoreaProf. Raghava R. KommalapatiPrairie View A&M University, USA

Prof. Ashok Kumar University of Toledo, USA

Dr. Robert LiUnited States Department of Agricultural Research Service, USA

Prof. Roberto ManfrediUniversity of Bologna, ItalyProf. Krishna MazumdarIndian Statistical Institute, IndiaProf. Jiangming MoChinese Academy of Sciences, China

Dr. Subhash C. Mojumdar University of Guelph, Canada

Dr. Shaibal Mukerjee U.S. Environmental Protection Agency, USA

Prof. Pucheng Pei Tsinghua University, China

Dr. Alexey V. Polonikov Kursk State Medical University, Russia

Dr. Gilbert SiguaUnited States Department of Agriculture-Subtropical Agricultural

Research Station, USA

Prof. Emilson Caputo Delfino Silva Georgia Institute of Technology, USA

Prof. Hongwen Sun Nankai University, China

Dr. Xiangjun Tian Chinese Academy of Sciences, China

Dr. Cornelia Vasile Laval University, Canada

Prof. Ernest K. YanfulUniversity of Western Ontario, CanadaProf. Qingwei YangChongqing Jiaotong University, ChinaDr. Ierotheos ZachariasUniversity of Western Greece, Greece



TABLE OF CONTENTS

Volume 4 Number 1	January 2013
Chemical and Geological Control on Surface Water within the Shade River Watersh	ned in Southeastern
Ohio	
P. Gbolo, D. L. López.	
The Geochemistry of Heavy Metals in the Mudflat of Salinas de San Pedro Lagoon,	,
M. H. Rezaie-Boroon, V. Toress, S. Diaz, T. Lazzaretto, M. Tsang, D. D. Deheyn	
Physico-Chemical Characteristics of the Products Derived from the Thermolysis of	Waste Abies alba Mill.
Wood	24
F. A. López, O. Rodríguez, A. Urien, B. Lobato, T. Á. Centeno, F. J. Alguacil	
Problematic of Drinking Water Access in Rural Area: Case Study of the Sourou Val S. Boubacar, K. Aminata, Z. Dramane, P. Jean Noel, B. Hortense, R. Francis, D. Dianou	•
Gold Mining and Mercury Bioaccumulation in a Floodplain Lake and Main Channe	
River, Perú	n of the Tambopata
K. A. Roach, N. F. Jacobsen, C. V. Fiorello, A. Stronza, K. O. Winemiller	51
Sustainable Ecotourism Established on Local Communities and Its Assessment Systematics and It	
J. Li	
Indoor Air Quality in Central Appalachia Homes Impacted by Wood and Coal Use	
L. M. Paulin, D'A. Williams, C. Oberweiser, G. B. Diette, P. N. Breysse, M. M. McCormack, E. C.	Matsui, R. Peng, T. A. Metts.
N. N. Hansel	_
Heavy Metal Contaminations in Urban Soil within Baghdad City, Iraq	
A. H. M. J. Al Obaidy, A. A. M. Al Mashhadi	72
Periphyton Biomass Response to Phosphorus Additions in an Aquatic Ecosystem Do	ominated by Submersed
Plants	
X. Y. Mei, X. F. Zhang	83
Heavy Metal Pollution of Topsoil in the Vicinity of an Industrial Estate Co-Located	with a Housing Estate
in Southwestern Nigeria	
E. U. Etim, P. C. Onianwa.	91
Development of Different Strategies for the Clean-Up of Polychlorinated Biphenyls	(PCBs) Congeners
Using Pressurized Liquid Extraction	
A. Al-Rashdan, M. I. H. Helaleh	
Bioadsorption of ${ m Pb}({f II})$ onto ${\it Anethum\ graveolens}$ from Contaminated Wastewater: Equ	ilibrium and Kinetic
Studies	
A. Hashem, K. El-Khiraigy	
Assessment of the Spatial and Temporal Water Eutrophication for Lake Baiyangdia	in Based on Integrated
Fuzzy Method	
S. X. Liang, H. Wu, H. B. Li, Y. H. Wu	
Possibility of the Benzoic Acids Formation by Oxidation of Benzyl Chlorides in the Sand	
M. Yamashita, M. Hata	126

Copyright © 2013 SciRes.

Journal of Environmental Protection, 2013, 4, 1-162 Published Online January 2013 in SciRes (http://www.scirp.org/journal/jep/)



Effect of Different Nitrogen Fertilizer Types and Application Measures on Temporal and Spatial	
Variation of Soil Nitrate-Nitrogen at Cucumber Field	
Z. P. Ou Yang, X. R. Mei, F. Gao, Y. Z. Li, J. X. Guo.	.129
Electrochemical and Photoelectrochemical Decoloration of Amaranth Dye Azo Using Composited	
Dimensional Stable Anodes	
M. I. Salazar-Gastélum, E. A. Reynoso-Soto, S. W. Lin, S. Perez-Sicairos, R. M. Félix-Navarro	.136
Decrease of TSP, PM ₁₀ , and Lead Concentration in a Lead Company in Alexandria City, Egypt	
A. A. Zahran	.144
Sources Affecting PM _{2.5} Concentrations at a Rural Semi-Arid Coastal Site in South Texas	
S. Karnae, K. John	.152

The figure on the front cover is from the article published in Journal of Environmental Protection, 2013, Vol. 4, No. 1, pp. 1-11 by Prosper Gbolo and Dina L. López.

Copyright © 2013 SciRes.

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©2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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



Call for Papers

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

Dr. 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

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

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

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