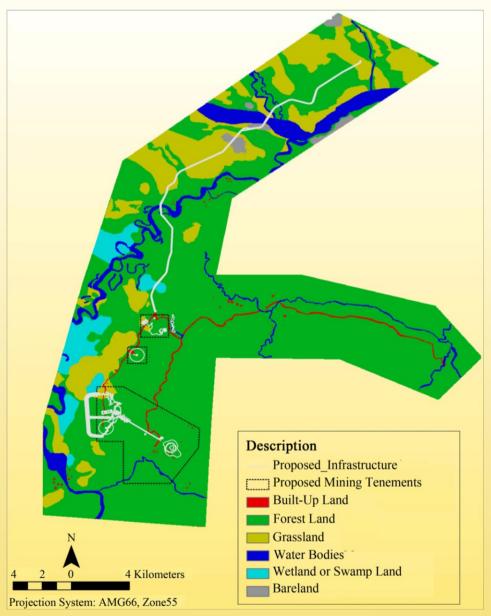


# Journal of Geoscience and Environment Protection





www.scirp.org/journal/gep

# **Journal Editorial Board**

ISSN 2327-4336 (Print) ISSN 2327-4344 (Online) http://www.scirp.org/journal/gep

### Editor-in-Chief

Prof. Valentine Udoh James

Clarion University of Pennsylvania, USA

. . . . . . . . . . . . . . . . . . . .

### **Editorial Board**

Dr. Riccardo Buccolieri	University of Salento, Italy	
Prof. Jianmin Chen	Fudan University, China	
Prof. Peter G. Flood	University of New England, Australia	
Prof. Yehia Hafez	King Abdulaziz University, Saudi Arabia	
Prof. Benedict Ilozor	Eastern Michigan University, USA	
Prof. Sabah A. Ismail	University of Kirkuk, Iraq	
Prof. M. A. Khalifa	Menoufia University, Egypt	
Dr. Juan Ma	Fayetteville State University, USA	
Dr. Amirhomayoun Saffarzadeh	Kyushu University, Japan	
Prof. V. I. Solomatin	Russian Academy of Nature Science, Russia	
Dr. Mustafa Din Subari	Universiti Teknologi Malaysia, Malaysia	
Prof. Leiming Yin	Chinese Academy of Sciences, China	
Dr. Xiaochun Zhang	Carnegie Institution for Science, USA	
Prof. Qixing Zhou	Nankai University, China	



# **Table of Contents**

Volume 4	Number 8	August 2016	
Land Use/Land Papua New Gu	d Cover and Forest Canopy Density Monitoring of Wafi-Golpu Project A uinea	rea,	
S. Akike, S. Sa	imanta	1	
Assessment of Dimbokro (Côt	f Wastewater Management and Health Impacts in African Secondary Cir te D'Ivoire)	ties: Case of	
S. L. Coulibaly	γ, D. Sangaré, S. K. Akpo, S. Coulibaly, H. B. Bamba, L. Coulibaly	15	
Comparative Effect of Foliar Application of Cow Dung, Wood Ash and Benlate on the Disease Initiation and Development of Roselle ( <i>Hibiscus sabdariffa</i> L.) Leaf Spot Disease Caused by <i>Coniella musaiensis</i> Var. <i>Hibisci</i> . in Makurdi, Central Nigeria			
K. D. Apeyuan	n, A. O. Nwankiti, H. O. A. Oluma, E. J. Ekefan	26	
Socio-Economic Implications of Recurrent Flooding on Women Development in Southern Ijaw Local Government Area, Bayelsa State, Niger Delta Area of Nigeria			
O. A. Akintoye	e, A. K. Eyong, D. O. Effiong, P. O. Agada, O. N. Digha		
Micro Hydro Potential Modelling: Integrating GIS into Energy Alternatives for Climate Change Mitigation			
G. C. K. Chelel	lgo, D. N. Siriba, E. K. Biamah	47	
Geological and Geochemical Investigation of Low Grade Basement Rocks: Implication to Human Health in and around Asgeda Tsimbla, Western Tigray, Northern Ethiopia			
J. Ahmed, K. A	Amare	60	

The figure on the front cover is from the article published in Journal of Geoscience and Environment Protection, 2016, Vol. 4, No. 8, pp. 1-14 by Slady Akike and Sailesh Samanta.

# Journal of Geoscience and Environment Protection (GEP)

### Journal Information

#### SUBSCRIPTIONS

The *Journal of Geoscience and Environment Protection* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published monthly by Scientific Research Publishing, Inc., USA.

#### Subscription rates: Print: \$39 per issue. To subscript, please contact Journals Subscriptions Department, E-mail: <a href="mailto:sub@scirp.org">sub@scirp.org</a>

#### SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

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 © 2016 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 © 2016 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: gep@scirp.org



# **Call for Papers**

# Journal of Geoscience and Environment Protection (GEP)

ISSN 2327-4336 (Print) ISSN 2327-4344 (Online) http://www.scirp.org/journal/gep

Journal of Geosciences and Environment Protection (GEP) is an international journal dedicated to the latest advancement of Geoscience and Environment Protection. 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 Geoscience and Environment Protection. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process.

# Subject Coverage

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

#### **Environmental Protection**

- Air Pollution
- Chemical Pollution
- Climate Change
- Disasters Management
- Environmental Earth Sciences
- Environmental Geology and Rehabilitation
- Environmental Law and Policies
- Environmental Risk
- Global Environmental Protection Technology
- Global Warming
- Landfill Waste Management
- Mineral Processing, Waste Management and Recycling
- Nuclear Energy and Environmental Protection
- Pollution Control and Technologies
- Soil Environment and Soil Science in Other Disciplines
- Sustainability of Resources and Environment
- Waste Water Management and Aquaculture
- Water Engineering

Water Resources Management and Water Quality

#### Geoscience

- BioGeomarkers and Their Significance for Astrogeology and Astrobiology
- Crystallography and Mineralogy
- Education and Capacity Building in Geosciences
- Endogenous, Exogenous Petrology and Geochemistry
- Energy and Mineral Deposits
- Geodynamics
- Geoethics
- Geographic Information Science
- Geological Collections and Museology
- Hydrology and Hydrogeology
- International Partnership in Geosciences
- Medical and Forensic Geology
- Meteorites and Planetary Geology
- Natural Hazards
- Paleontology
- Stratigraphy and Sedimentology

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 GEP.

# **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/gep E-mail: gep@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

Advances in Biological

Entomolog

Applied Mathematics

Engineering

uitit e

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



Soft

Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org