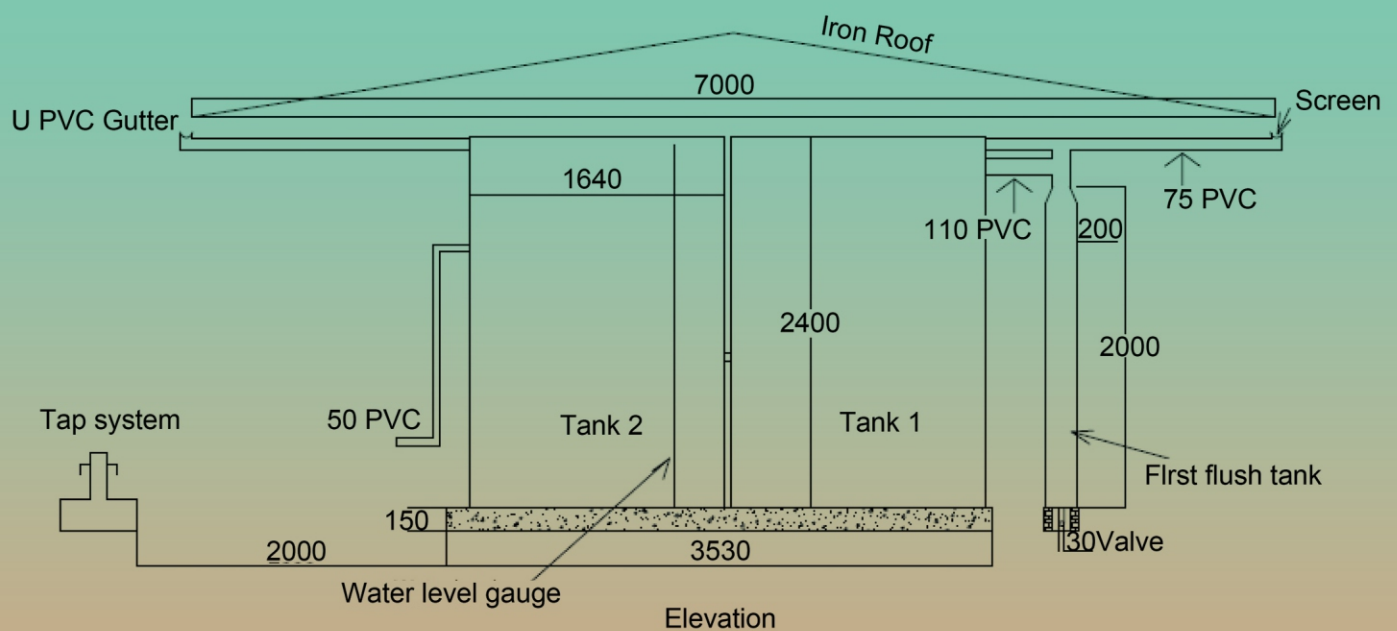


Journal of Geoscience and Environment Protection



ISSN: 2327-4336



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 9

September 2016

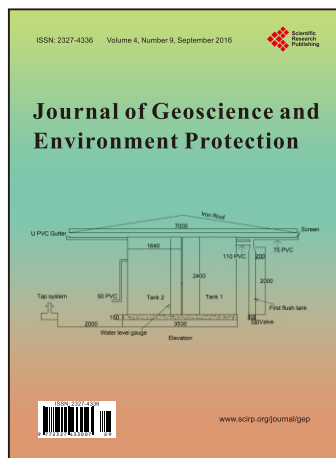
The Effect of Evaporative Formations in Increasing the Salinity of the Water Resources in Mahdasht-Eshtehard Region (Iran)	
N. Ebadati, H. Yousefi.....	1
Strategy to Overcome Barriers of Rainwater Harvesting, Case Study Tanzania	
T. B. Mwamila, M. Y. Han, Z. Katambara.....	13
Radiological Hazard Assessment of Raw Granites from Ranyah, KSA	
S. Zeghib, A. Sh. Aydarous, A. Al-Qahtany.....	24
The Effect of Air Pollutants and Socioeconomic Status on Asthma in Texas	
F. Anderson, G. L. Delclos, D. C. Rao.....	39
Carbon Sequestration under Warm Season Turfgrasses in Home Lawns	
S. A. Hamido, E. A. Guertal, C. Wesley Wood.....	53
Numerical Modeling of Sediment Transport and Its Effect on Algal Biomass Distribution in Lake Pontchartrain Due to Flood Release from Bonnet Carré Spillway	
X. B. Chao, Y. F. Jia, A. K. M. Azad Hossain.....	64
An Evaluation Performance of Potential Pollution of Arsenic, Chromium and Cadmium in the Road Side Soil of Kirkuk City, Northern Iraq	
H. A. A. Al-Jumaily.....	80
Hydrochemical Characteristics of the Groundwater AQ1 of the Region from Pointe-Noire to Congo Brazzaville	
D. Nkounkou Tomodiatounga, B. Mabiala, G. Moukandi Nkaya.....	95
Evaluation of Flooding Risk in Greater Dhaka District Using Satellite Data and Geomorphological Land Classification Map	
M. B. Sayed, S. Haruyama.....	110
Moist Potential Vorticity Vector for Diagnosis of Heavy Rainfall Events in Tanzania	
P. M. Luhunga, G. Djolov, E. Mutayoba.....	128

Strategies for Household Water Supply Improvement with Rainwater Harvesting

T. B. Mwamila, Z. Katambara, M. Y. Han.....146

Assessing the Impacts of Sea Level Rise Using Existing Data

F. Bloetscher, M. Wood.....159



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?

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