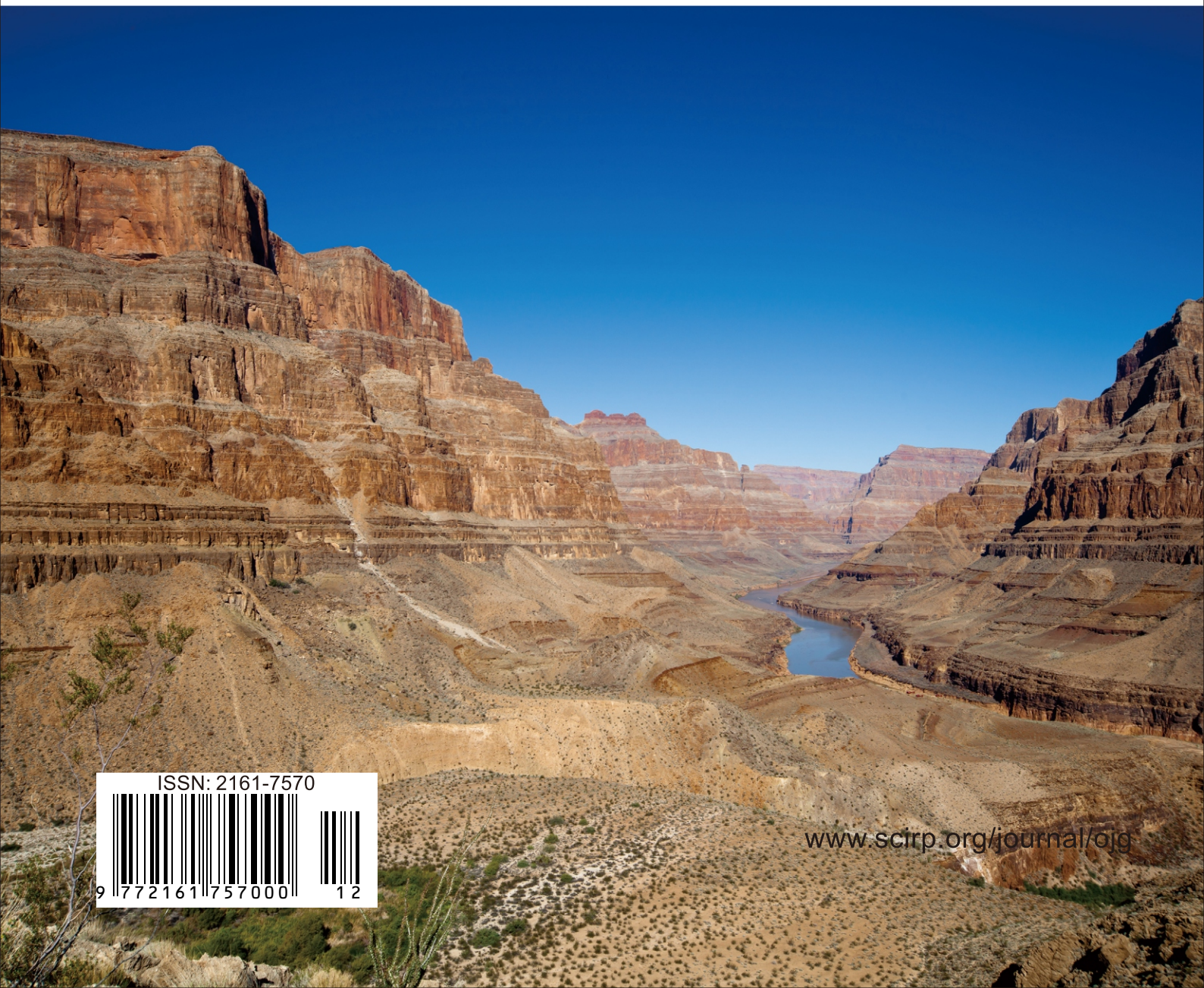


ISSN: 2161-7570

Volume 7, Number 12, December 2017



Open Journal of Geology



ISSN: 2161-7570



www.scirp.org/journal/ojg

Journal Editorial Board

ISSN 2161-7570 (Print) ISSN 2161-7589 (Online)

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

Editor-in-Chief

Prof. Zhihong Wang

Chinese Academy of Sciences, China

Editorial Board

Prof. Md. Mahmudul Alam

Kyoto University, Japan

Dr. Ranjith Pathegama Gamage

Monash University, Australia

Prof. Alexandra Guedes

University of Porto, Portugal

Prof. Mohamed Tahir Hussein

King Saud University, Saudi Arabia

Prof. Ali Ihsan Karayigit

Hacettepe University, Turkey

Prof. Gang Li

Chinese Academy of Sciences, China

Dr. Patrizia Maiorano

University of Bari, Italy

Dr. Tranos D. Markos

Aristotle University of Thessaloniki, Greece

Dr. Mostafa Tantawy Mohamed

Assiut University, Egypt

Prof. Gopalakrishnarao Parthasarathy

CSIR-National Geophysical Research Institute, India

Prof. Ian P. Skilling

University of Pittsburgh, USA

Prof. Alireza K. Somarin

Brandon University, Canada

Prof. Juan R. Tejerina

University of Cantabria, Spain

Dr. Ergün Tuncay

Hacettepe University, Turkey

Prof. Shunshan Xu

National University of Mexico, Mexico

Prof. Xiaoli Yang

Central South University, China

Prof. Hong Zheng

Chinese Academy of Sciences, China

Table of Contents

Volume 7 Number 12

December 2017

Hydrogeology of Wadi Qudaid Area, Northeast Jeddah, West Central Arabian Shield, Saudi Arabia

A. R. Sonbul, M. A. Sharaf, A. A. Mesaed.....1749

Sorbent Mineralogy in the Most Basin and Their Utilization for Reclamation Works

M. Řehoř, P. Vráblík, J. Vráblíková, L. Žižka.....1767

Hydro-Meteorological Monitoring of Tskaltubo (Prometheus) Cave System's Catchment Basin (Caucasus, Western Georgia)

L. Zaza, T. Kukuri, B. Nana, C. Giorgi, C. Nino, N. Akaki, D. Giorgi, D. Suliko, K. Zurab.....1774

Piezometry of the Aquifer of the Continental Terminal in the Borehole Fields of Godomey and Ouedo for the Delimitation of the Protection Areas around Boreholes of Ouedo

C. Zevounou, A. Alassane, C. Kaki, T. Bacharou, J. Koudemekpo.....1786

Application of Coefficient of Anisotropy to the Geophysical Prospecting of Campo—Ma'an Area of the Ntem Complex in Cameroon

Njingti-Nfor, O. A. M. Louise, K. P. R. Malquaire, B. Dieudonné, L. T. J. Achille.....1801

Isothermal Adsorption and Desorption Properties of Marine Shales on Longmaxi Shale in South China

T. Y. Chang, Y. L. Shu, Y. Ma, X. Y. Xu, Y. Niu.....1819

Open Journal of Geology (OJG)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Geology* (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.

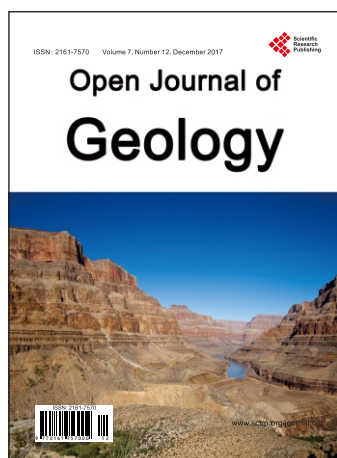
Disclaimer of liability

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: ojg@scirp.org



Call for Papers

Open Journal of Geology (OJG)

ISSN: 2161-7570 (Print) ISSN: 2161-7589 (Online)

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

Open Journal of Geology (OJG) is an international journal dedicated to the latest advancement of geology. 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 geology.

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- | | | |
|-------------------------|----------------------|----------------------|
| • Earth Science | • Geomorphology | • Petroleum Geology |
| • Economic Geology | • Geomorphology | • Petrology |
| • Engineering Geology | • Geophysics | • Petrophysics |
| • Environmental Geology | • Glaciology | • Plate Tectonics |
| • Geoarchaeology | • Historical Geology | • Sedimentology |
| • Geochemistry | • Hydrogeology | • Seismology |
| • Geochronology | • Meteorology | • Soil Science |
| • Geodetics | • Mineralogy | • Speleology |
| • Geography | • Mining Geology | • Stratigraphy |
| • Geological Modelling | • Oceanography | • Structural Geology |
| • Geometallurgy | • Paleoclimatology | • Volcanology |
| • Geomicrobiology | • Paleontology | |

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

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/ojg>

E-mail: ojg@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