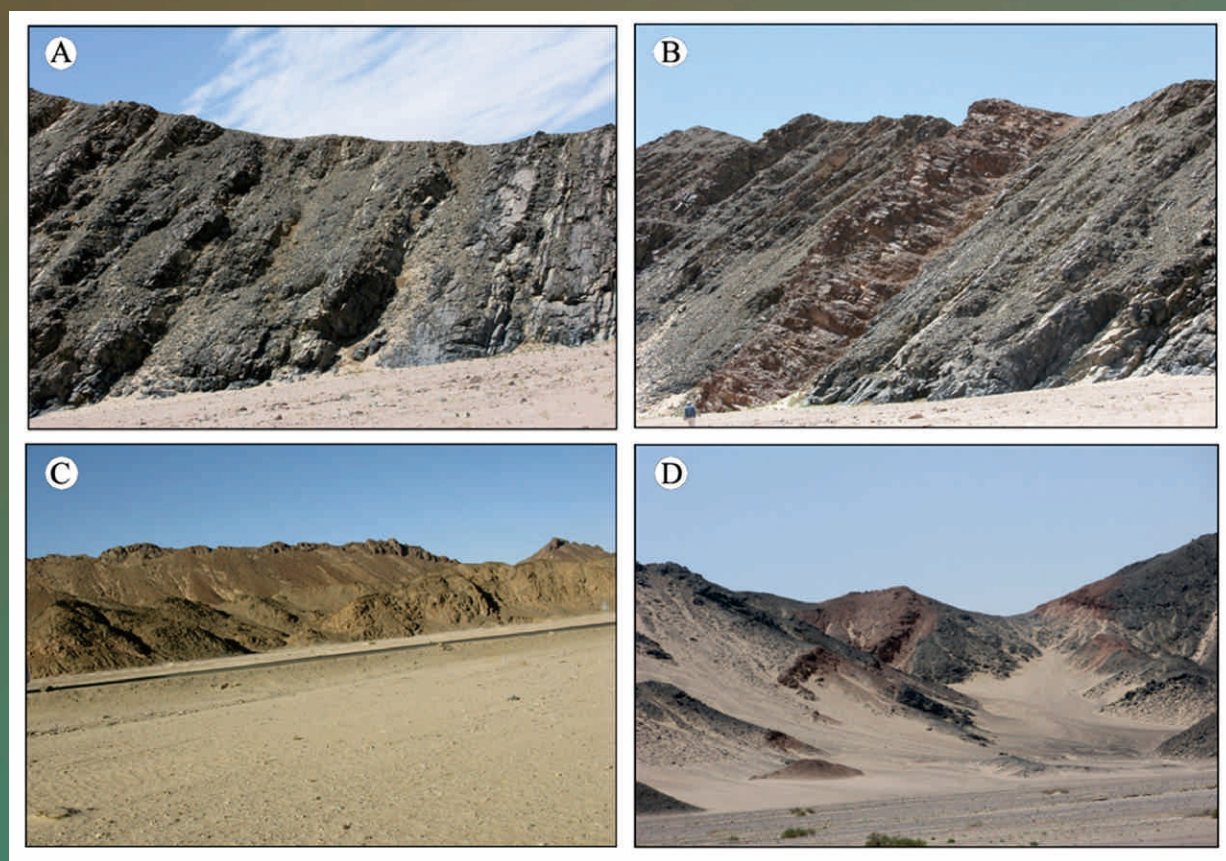


# Open Journal of Geology



# 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

**Dr. Md. Mahmudul Alam**

Kyoto University, Japan

**Dr. Mohammad Ayaz Alam**

Universidad de Chile, Chile

**Prof. Anup Kumar Bandopadhyay**

Central Institute of Mining and Fuel Research, India

**Dr. Ranjith P. Gamage**

Monash University, Australia

**Prof. Girish Gopinath**

Centre for Water Resources Development and Management, India

**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. 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. Tokiyuki Sato**

Akita University, Japan

**Dr. 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 4    Number 5**

**May 2014**

**Petrology, Geochemistry and Tectonomagmatic Setting of Neshveh Intrusion (NW Saveh)**

R. Keshavarzi, D. Esmaili, M. R. Kahkhaei, M. A. A. Mokhtari, R. Jabari.....177

**An Integrated Geoscientific Approach to Define Zones of Gold Mineralization**

B. K. Mishra, N. S. Rao, S. Rautray, S. Pattanayak.....190

**Mineralogy and the Texture of the Basalt in Hail Region, Saudi Arabia**

S. Odat.....198

**Early Cretaceous Index Benthic Foraminifera from  
Northeast of Torbat-e-Heydarieh Area (Esfiyukh Section)**

N. Khodashenas, A. A. Aryaei, A. R. Ashouri.....206

**A Compilation of the Geo-Mechanical Properties of Rocks  
in Southern Ontario and the Neighbouring Regions**

H. M. S. Al-Maamori, M. H. El Naggari, S. Micic.....210

**Space-Borne Imagery and Geochemical Characters of Post-Orogenic  
Dyke Swarms, Fatirah-Abu Zawal District, Eastern Desert of Egypt**

E. A. Rahman, A. Emam.....228

# **Open Journal of Geology (OJG)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Open Journal of Geology* (Online at Scientific Research Publishing, [www.SciRP.org](http://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](mailto:sub@scirp.org)

### **SERVICES**

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **COPYRIGHT**

#### **COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:**

Copyright © 2014 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 © 2014 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](mailto: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](mailto: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, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

## ***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, world-wide, 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**

**Website: <http://www.scirp.org>**

**Subscription: [sub@scirp.org](mailto:sub@scirp.org)**

**Advertisement: [service@scirp.org](mailto:service@scirp.org)**