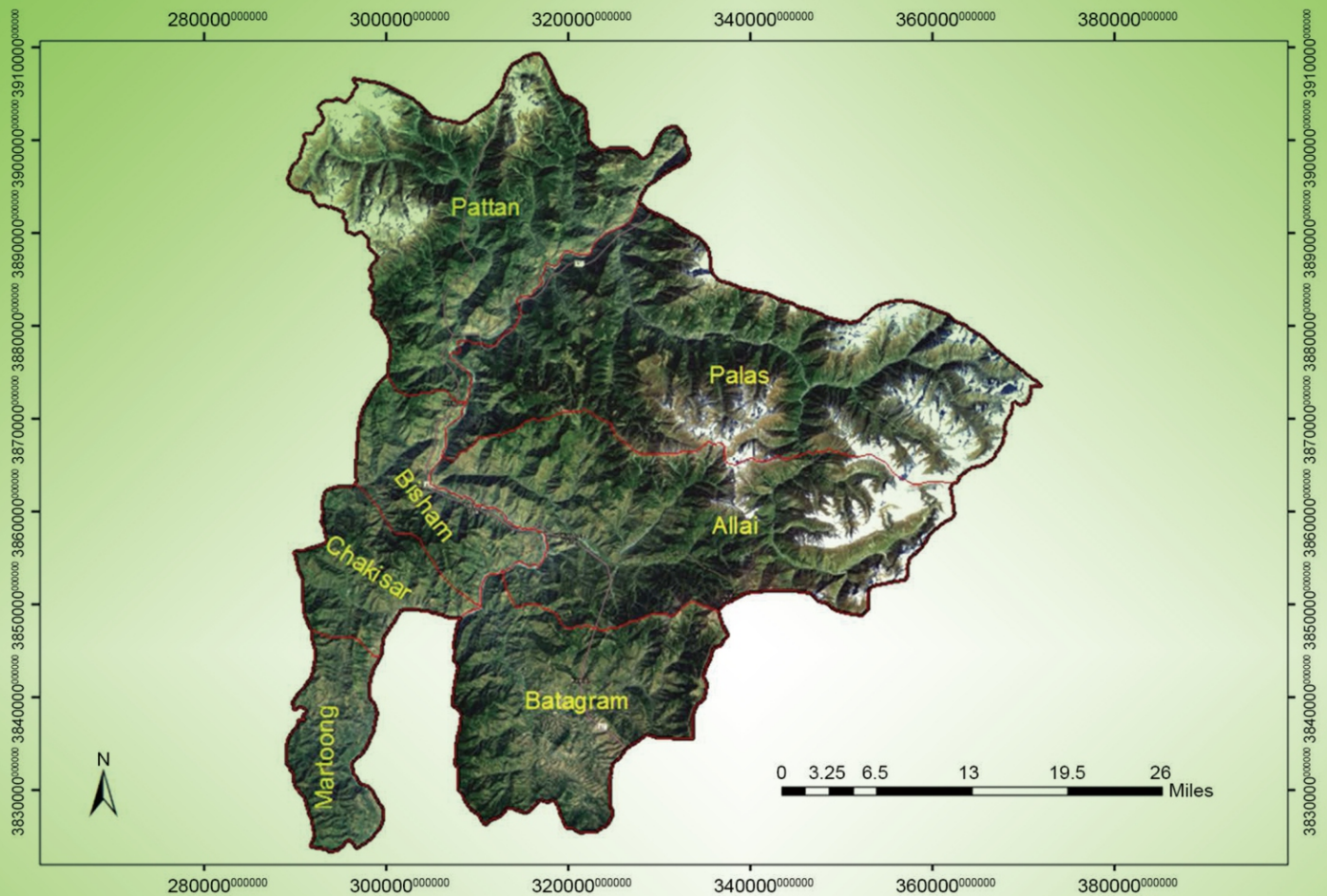


# International Journal of Geosciences



ISSN: 2156-8359



[www.scirp.org/journal/ijg](http://www.scirp.org/journal/ijg)

# Journal Editorial Board

ISSN: 2156-8359 (Print) ISSN: 2156-8367 (Online)

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

---

## Editors-in-Chief

**Prof. Jacques Bourgois**  
**Prof. Shuanggen Jin**

Université Pierre et Marie Curie, Paris 6, France  
Shanghai Astronomical Observatory, CAS, China

## Editorial Board

<b>Prof. Jong-Jin Baik</b>	Seoul National University, South Korea
<b>Prof. Rajasekhar Balasubramanian</b>	National University of Singapore, Singapore
<b>Dr. Peter Bayer</b>	Swiss Federal Institute of Technology Zürich, Switzerland
<b>Prof. Charles E. Button</b>	Central Connecticut State University, USA
<b>Dr. Dionisios Gasparatos</b>	Aristotle University of Thessaloniki, Greece
<b>Prof. Yury G. Gatinsky</b>	Vernadsky State Geological Museum, Russia
<b>Prof. Ruixia Hao</b>	Peking University, China
<b>Prof. Oleg B. Khavroshkin</b>	Russian Academy of Sciences, Russia
<b>Dr. Charles Lemckert</b>	Griffith University, Australia
<b>Prof. Anthony Lupo</b>	University of Missouri-Columbia, USA
<b>Prof. Ashok K. Mishra</b>	Clemson University, USA
<b>Dr. Massimo Mucciardi</b>	University of Messina, Italy
<b>Prof. Junboum Park</b>	Seoul National University, South Korea
<b>Prof. Cosenza Philippe</b>	Poitiers University, France
<b>Prof. Xianfang Song</b>	Chinese Academy of Sciences, China
<b>Dr. Agata Di Stefano</b>	University of Catania, Italy
<b>Prof. Xuexi Tie</b>	National Center for Atmospheric Research, USA
<b>Prof. George Tsiambaos</b>	National Technical University of Athens, Greece
<b>Prof. Bernd Wünnemann</b>	Freie Universität Berlin, Germany
<b>Prof. Fawu Wang</b>	Shimane University, Japan
<b>Prof. Xinghui Xia</b>	Beijing Normal University, China
<b>Dr. Jianwen Yang</b>	University of Windsor, Canada
<b>Prof. Xiaohuan Yang</b>	Chinese Academy of Sciences, China
<b>Prof. Lianyang Zhang</b>	University of Arizona, USA
<b>Prof. A-Xing Zhu</b>	University of Wisconsin, USA

# Table of Contents

**Volume 7    Number 10**

**October 2016**

## **Structural Styles and Petroleum Potential of Miano Block, Central Indus Basin, Pakistan**

S.-U.-R. K. Jadoon, M. F. Mehmood, Z. Shafiq, I. A. K. Jadoon.....1145

## **Modeling the Hydrogeochemical Processes and Source of Ions in the Groundwater of Aquifers within Kasra-Nukhaib Region (West Iraq)**

B. M. Hussien, A. S. Faiyad.....1156

## **The Effects of Negative Values of Apparent Resistivity in TEM Surveys**

C. A. Bortolozo, J. D. R. Campaña, M. A. C. Junior, J. L. Porsani, F. A. M. dos Santos.....1182

## **Spatiotemporal Monitoring for Deforestation and Forest Degradation Activities in Selected Areas of Khyber Pakhtunkhwa (KPK)**

S. ur R. Khalid, M. R. Khan, M. Usman, M. W. Yasin, M. S. Iqbal.....1191

## **AHP with GIS for a Preliminary Site Selection of Wind Turbines in the North West of Jordan**

A. R. Al-Shabeeb, R. Al-Adamat, A. Mashagbah.....1208

## **Urban Settlement Spatial Analysis in Permanent Preservation Area of M'boicy Watershed River, Foz do Iguaçu City in Brazil**

L. H. W. de Carvalho, S. Laudares, M. P. Libório, M. P. Ekel, R. de O. Marques.....1222

## **Oceans, Ice & Snow and CO<sub>2</sub> Rise, Swing and Seasonal Fluctuation**

M. D. Nelson, D. B. Nelson.....1232

## **Monitoring Land Use and Infrastructure Changes in Industrial Complex Using Geo-Informatics Technology in Gujarat State, India**

A. N. Patel, V. Singh, B. Kansara, M. H. Kalubarme, B. Panchal.....1283

# International Journal of Geosciences (IJG)

## Journal Information

### SUBSCRIPTIONS

The *International Journal of Geosciences* (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 copy.

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 © 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.

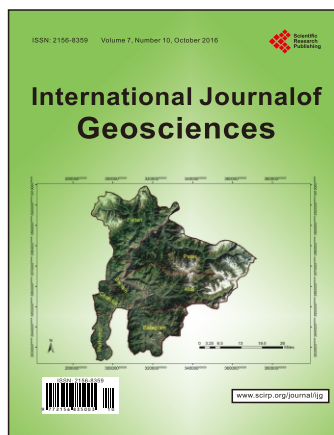
#### **Disclaimer of liability**

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: [ijg@scirp.org](mailto:ijg@scirp.org)



# International Journal of Geosciences

ISSN: 2156-8359 (Print) ISSN: 2156-8367 (Online)  
<http://www.scirp.org/journal/ijg>

*International Journal of Geosciences (IJG)* is an international refereed journal dedicated to the latest advancement of geosciences. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

## Editors-in-Chief

Prof. Jacques Bourgois  
 Prof. Shuanggen Jin

Université Pierre et Marie Curie, Paris 6, France  
 Shanghai Astronomical Observatory, CAS, China

## Subject Coverage

All manuscripts submitted to IJG must be previously unpublished and may not be considered for publication elsewhere at any time during IJG's review period. Additionally, accepted ones will immediately appear online followed by printed in hard copy. Topics to be covered by this journal include, but are not limited to:

- Atmosphere
- Biosphere
- Cartography
- Climate Change
- Earth System Modelling
- Earthquake and Seismology
- Environmental Science
- Estuarine and Coasts
- Geochemistry
- Geodesy and Surveying
- Geographic Information System
- Geography
- Geo-Instrument Developments
- Geology
- Geomechanics
- Geomorphology and Surficial Process
- Geophysics
- Geostatistics
- Glaciology
- Hydrosphere
- Lithosphere or Geosphere
- Marine Resources
- Mineralogy
- NASA Earth Science Enterprise
- Oceanography
- Pedosphere
- Petrology
- Seismology
- Soil Science

We are also interested in: 1) Short Reports—2 to 5 pages where the paper is intended to present either an original idea with theoretical treatment or preliminary data and results; 2) Book Reviews—Comments and critiques of recently published books in Geosciences.

## 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/ijg>

Email: [ijg@scirp.org](mailto:ijg@scirp.org)