

# International Journal of Geosciences



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 BourgoisUniversité Pierre et Marie Curie, Paris 6, FranceProf. Shuanggen JinShanghai Astronomical Observatory, CAS, China

### **Editorial Board**

**Prof. Jong-Jin Baik** Prof. Rajasekhar Balasubramanian **Prof. Charles E. Button Dr. Dionisios Gasparatos** Prof. Yury G. Gatinsky Prof. Ruixia Hao Prof. Oleg B. Khavroshkin **Prof. Anthony Lupo** Prof. Ashok K. Mishra Dr. Massimo Mucciardi **Prof. Junboum Park Prof. Xianfang Song** Dr. Agata Di Stefano Prof. Xuexi Tie **Prof. George Tsiambaos** Prof. Bernd Wünnemann **Prof. Fawu Wang** Prof. Xinghui Xia Dr. Jianwen Yang Prof. Xiaohuan Yang **Prof. Lianyang Zhang Prof. A-Xing Zhu** 

Seoul National University, South Korea National University of Singapore, Singapore Central Connecticut State University, USA Aristotle University of Thessaloniki, Greece Vernadsky State Geological Museum, Russia Peking University, China Russian Academy of Sciences, Russia University of Missouri-Columbia, USA Clemson University, USA University of Messina, Italy Seoul National University, South Korea Chinese Academy of Sciences, China University of Catania, Italy National Center for Atmospheric Research, USA National Technical University of Athens, Greece Freie Universität Berlin, Germany Shimane University, Japan Beijing Normal University, China University of Windsor, Canada Chinese Academy of Sciences, China University of Arizona, USA University of Wisconsin, USA



# **Table of Contents**

# Volume 10 Number 7

# July 2019

Rotational Eustasy as Observed in Nature
NA. Mörner
Contribution to Gas Production from Minor Coal Seams and Adjacent Shales:
Numerical Modelling Results for the Mannville Coal Measures, South Central Alberta
A. M. M. Bustin, R. M. Bustin758

## International Journal of Geosciences (IJG) Journal Information

#### SUBSCRIPTIONS

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

Subscription rates: Print: \$79 per copy. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

#### 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: <u>sub@scirp.org</u>

#### COPYRIGHT

#### Copyright and reuse rights for the front matter of the journal:

Copyright © 2019 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 © 2019 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: <u>ijg@scirp.org</u>

# **Call for Papers**



# 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

### 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

nii ili a

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