

ISSN: 2156-8359 Volume 14, Number 3, March 2023



International Journal of Geosciences



ISSN: 2156-8359



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

Journal Editorial Board

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

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

Editors-in-Chief

Prof. Jacques Bourgois
Prof. Shuanggen Jin

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

Editorial Board

Dr. John S. Armstrong-Altrin	National Autonomous University of Mexico, Mexico
Prof. Jong-Jin Baik	Seoul National University, South Korea
Prof. Rajasekhar Balasubramanian	National University of Singapore, Singapore
Prof. Charles E. Button	Central Connecticut State University, USA
Dr. Jian Chen	University of North Alabama, USA
Prof. Ferid Dhahri	Tunis El Manar University, Tunisia
Dr. Paul R. Eizenhöfer	University of Tübingen, Germany
Dr. Dionisios Gasparatos	Aristotle University of Thessaloniki, Greece
Prof. Yury G. Gatinsky	Vernadsky State Geological Museum, Russia
Prof. Ruixia Hao	Peking University, China
Prof. T. Harinarayana	BSAR Crescent Institute of Science and Technology, India
Prof. Oleg B. Khavroshkin	Russian Academy of Sciences, Russia
Dr. Bing Lu	Department of Geography Simon Fraser University, Canada
Prof. Anthony Lupo	University of Missouri-Columbia, USA
Prof. Ashok K. Mishra	Clemson University, USA
Dr. Massimo Mucciardi	University of Messina, Italy
Prof. Gerel Ochir	Mongolian University of Science and Technology, Mongolia
Prof. Junboum Park	Seoul National University, South Korea
Dr. Tarek Awad Seleem Salama	Suez Canal University, Egypt
Dr. Mark J. Sciuchetti Jr.	Jacksonville State University, USA
Prof. Mahmoud Mohamed Senosy	Assiut University, Egypt
Dr. Shailesh Kumar Singh	National Institute of Water and Atmospheric Research, New Zealand
Prof. Xianfang Song	Chinese Academy of Sciences, China
Dr. Agata Di Stefano	University of Catania, Italy
Prof. Khalid Tarawneh	Amman Arab University, Jordan
Dr. Donald M. Thieme	Valdosta State University, USA
Prof. George Tsiambaos	National Technical University of Athens, Greece
Prof. Bernd Wünnemann	Freie Universität Berlin, Germany
Prof. Fawu Wang	Shimane University, Japan
Prof. Xinghui Xia	Beijing Normal University, China
Dr. Jianwen Yang	University of Windsor, Canada
Prof. Xiaohuan Yang	Chinese Academy of Sciences, China
Prof. Lianyang Zhang	University of Arizona, USA
Prof. A-Xing Zhu	University of Wisconsin, USA

Table of Contents

Volume 14 Number 3

March 2023

Thinking on Effective Methods of Successful Prediction of Geological Hazards in Shaanxi, China

C. W. Yao, Y. H. Li, Y. P. He, H. Li, C. M. Xu, P. Fang.....271

Methodology for Obtaining Optimal Sleeve Friction and Friction Ratio Estimates from CPT Data

E. Baziw.....290

International Journal of Geosciences (IJG)

Journal Information

SUBSCRIPTIONS

The *International Journal of Geosciences* (Online at Scientific Research Publishing, <https://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

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 © 2023 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 © 2023 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



International Journal of Geosciences

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

<https://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, 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

<https://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?

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: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org