# Table of Contents

**Volume 13   Number 8   August 2022**

**Geochronological Constraints for Boundary Shear Zones between Eastern Ghats Province and Bastar Craton: Implication for the Formation of Granulites and Their Exhumation History**  
R. Kar, M. A. S. Basei, S. Bhattacharya, A. Ghosh, S. Chatterjee ................................................................. 593

**Record of Additional Middle Eocene Vertebrate Remains from the Mikir Hills, NE India: Implications on Paleoenvironment and Paleobiogeography**  
S. Biswal, K. Lokho, A. Needham, A. Bhandari, U. K. Shukla, K. Whiso, K. Prakash ........................................ 609

**Earth-Moon Barycentre Excursions and Anomalous Quaternary Sea Level Highstands**  
J. Meco, C. Sendino, A. Lomoschitz, A. Núñez, M. J. Huertas, J. F. Betancort ..................................................... 627

**Longitudinal Variability of the Vertical Drift Velocity Inferred from Ground-Based Magnetometers and C/NOFS Observations in Africa**  
M. E. Honoré, P. O. Amaechi, A. Daïka, D. K. A. Aziz, M. Kaab, C. B. Mbané, Z. Benkhaldoun .......................... 657

**Combined Radiometric Analysis Related to Guava Leaf Phenology in Response to Soil Application of Paclobutrazol (PBZ)**  
V. M. Rodríguez-Moreno, J. S. Padilla-Ramírez, G. Medina-García, A. Reyes-González ................................. 681

**Petrography, Geochemistry and Petrogenesis of the Basalt Flow at Al Azraq Al Shamali Area, East Jordan**  
I. A. B. Yaseen, A. A. E. Al Smairan .......................................................... 695

**Climatic Influences on Upper Carboniferous (Serpukhovian to Mid-Bashkirian) Sedimentary Sequences in the UK Pennine and Other European Basins**  
C. M. Jones ............................................................................................................................... 715
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 Bourgeois
Université Pierre et Marie Curie, Paris 6, France

Prof. Shuanggen Jin
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

Website: https://www.scirp.org
Subscription: sub@scirp.org
Advertisement: service@scirp.org