

Review Form 3

| | |
|--------------------------|--|
| Journal Name: | Journal of Geography, Environment and Earth Science International |
| Manuscript Number: | Ms_JGEESI_121047 |
| Title of the Manuscript: | IS A GEOLOGY DEGREE WORTH IT? AN ECONOMIC ANALYSIS: A REVIEW |
| Type of the Article | Review article |

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|--|--|---|
| <p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p> | <p>This manuscript is significant for the scientific community as it provides a comprehensive economic analysis of the value of a geology degree, addressing a crucial question for prospective students, educators, and policymakers. By evaluating the return on investment in geology education, the paper contributes valuable insights that can guide career decisions and educational planning. I appreciate the manuscript's thorough approach and its relevance in today's job market, though I would suggest strengthening the analysis with more recent data and broader geographical scope to enhance its applicability. Overall, the review fills a vital gap in understanding the economic outcomes of pursuing a geology degree.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>The title of the article, "IS A GEOLOGY DEGREE WORTH IT? AN ECONOMIC ANALYSIS: A REVIEW," is clear and direct but could be refined for clarity and specificity. Here are a few alternative suggestions:</p> <ol style="list-style-type: none"> 1. The Economic Value of a Geology Degree: A Comprehensive Review 2. Evaluating the Worth of a Geology Degree: An Economic Perspective 3. Geology Education and Economic Outcomes: A Review of Return on Investment 4. Is Investing in a Geology Degree Worthwhile? An Economic Review 5. Economic Analysis of Geology Degrees: A Review of Career and Financial Outcomes | |
| <p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p> | <p>The abstract is quite comprehensive and well-structured. However, here are a few suggestions for improvement to enhance clarity and conciseness:</p> <p>Purpose and Scope: The introduction could be more concise. Key Findings: Although detailed, it can be slightly condensed to improve readability. Implications: Ensure the significance is clear without being repetitive.</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>To provide specific feedback on the subsections and structure, it would be helpful to have an outline or details about the manuscript's current organization. However, I can offer general guidelines for structuring a review paper on the economic analysis of a geology degree:</p> <ol style="list-style-type: none"> 1. Introduction: <ul style="list-style-type: none"> - Background and significance of the topic. - Purpose and objectives of the review. 2. Economic Landscape for Geologists: <ul style="list-style-type: none"> - Earning potential and salary trends. - Employment opportunities and job market analysis. - Career advancement trajectories. 3. Factors Influencing Economic Outcomes: <ul style="list-style-type: none"> - Geographic location. - Industry specialization. - Level of education (bachelor's, master's, Ph.D.). 4. Non-Monetary Benefits: <ul style="list-style-type: none"> - Job satisfaction and intellectual fulfillment. - Contributions to societal challenges (e.g., natural resource management, environmental conservation, hazard mitigation). 5. Trends in the Geology Job Market: <ul style="list-style-type: none"> - Technological advancements. - Environmental regulations. - Global economic shifts. 6. Emerging Fields and Specializations: | |

Review Form 3

| | | |
|---|--|--|
| | <ul style="list-style-type: none"> - Geotechnical engineering. - Hydrogeology. - Environmental consulting. <p>7. Implications for Stakeholders:</p> <ul style="list-style-type: none"> - Prospective students. - Educators and curriculum developers. - Policymakers and workforce planners. <p>8. Conclusion:</p> <ul style="list-style-type: none"> - Summary of key findings. - Final thoughts on the value of a geology degree. - Recommendations for future research and policy. <p>9. References:</p> <ul style="list-style-type: none"> - Comprehensive list of all sources cited in the manuscript. <p>If the manuscript adheres to this or a similar structure, it is likely well-organized. Ensure each section is clearly defined and transitions smoothly into the next. If any sections are missing or underdeveloped, consider adding more detailed discussions or reorganizing content for better flow and clarity.</p> | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p> | <p>This manuscript is scientifically robust and technically sound due to its comprehensive analysis of both quantitative and qualitative data from reliable sources, such as national labor statistics, industry reports, and academic studies. The thorough examination of various factors influencing economic outcomes, including geographic location, industry specialization, and education level, ensures a nuanced understanding of the value of a geology degree. Additionally, the inclusion of non-monetary benefits and emerging trends within the geology job market provides a well-rounded evaluation. The systematic approach to integrating economic principles with empirical data enhances the manuscript's credibility and relevance for stakeholders in education and workforce development.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p> | <p>To evaluate whether the references are sufficient and recent, it would be helpful to review the actual list of references provided in the manuscript. However, here are some general guidelines and potential suggestions:</p> <ol style="list-style-type: none"> 1. Recency: Ensure that a significant portion of the references are from the past five years to reflect current trends and data. 2. Diversity of Sources: Include references from peer-reviewed journals, industry reports, national labor statistics, and relevant academic studies. 3. Coverage: Make sure the references cover all aspects discussed in the paper, such as earning potential, employment opportunities, career trajectories, non-monetary benefits, and emerging trends in the geology field. <p>Suggestions for Additional References If not already included, consider adding the following types of references:</p> <ol style="list-style-type: none"> 1. Recent Industry Reports: <ul style="list-style-type: none"> - Reports from professional organizations like the American Geosciences Institute (AGI) or the Geological Society of America (GSA). - Market analysis reports from consulting firms like Deloitte or McKinsey on geology-related industries. 2. Academic Journals: <ul style="list-style-type: none"> - Articles from journals like *Economic Geology*, *Journal of Geoscience Education*, and *Environmental Geology*. - Recent studies on the job market and salary trends for geologists. 3. Government and National Statistics: <ul style="list-style-type: none"> - Latest reports from the U.S. Bureau of Labor Statistics (or equivalent in other countries) on employment and wage data for geologists. - National Science Foundation (NSF) reports on the state of the science and engineering workforce. | |

Review Form 3

| | | |
|--|---|--|
| <p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>The language and English quality of the article appear suitable for scholarly communications, given the abstract provided. Here are a few points to ensure the language remains appropriate throughout the manuscript:</p> <ol style="list-style-type: none"> 1. Clarity and Precision: Ensure that sentences are clear and concise, avoiding unnecessary jargon or overly complex structures. 2. Consistency: Maintain a consistent tone and style throughout the paper, appropriate for an academic audience. 3. Grammar and Syntax: Check for proper grammar, punctuation, and syntax to ensure readability and professionalism. 4. Technical Terminology: Use technical terms where necessary but ensure they are well-defined and used consistently. <p>Sample Feedback on Language Quality "The language of the manuscript is generally suitable for scholarly communication. The sentences are clear, precise, and convey the intended meaning effectively. The manuscript maintains a consistent academic tone throughout. However, a thorough proofreading is recommended to eliminate any minor grammatical errors or inconsistencies. Additionally, ensure that all technical terms are clearly defined for readers who may not be familiar with them."</p> <p>Example Revisions for Improvement:</p> <ol style="list-style-type: none"> 1. Original: "This paper tends to provide answers to this inquiry through comprehensive economic analysis to evaluate the financial viability and broader benefits of obtaining a geology degree." - Revised: "This paper aims to provide answers to this inquiry through a comprehensive economic analysis, evaluating the financial viability and broader benefits of obtaining a geology degree." 2. Original: "Data from national labor statistics, industry reports, and academic studies are synthesized to provide a nuanced understanding of the financial outcomes associated with a geology degree." - Revised: "Data from national labor statistics, industry reports, and academic studies are synthesized to offer a nuanced understanding of the financial outcomes associated with a geology degree." 3. Original: "Factors such as geographic location, industry specialization, and level of education are considered to capture the variability in economic outcomes among geology graduates." - Revised: "Factors such as geographic location, industry specialization, and education level are considered to capture the variability in economic outcomes among geology graduates." <p>These minor revisions can enhance readability and ensure the manuscript meets the high standards of scholarly communication.</p> | |
| <p>Optional/General comments</p> | <ol style="list-style-type: none"> 1. Overall Impression: <ul style="list-style-type: none"> - The manuscript presents a thorough and well-structured economic analysis of the value of a geology degree. The topic is highly relevant, especially in the current climate where higher education investments are closely scrutinized. 2. Strengths: <ul style="list-style-type: none"> - Comprehensive coverage of both economic and non-monetary benefits of a geology degree. - Balanced approach, considering various influencing factors like geographic location, industry specialization, and education level. - Insightful discussion on emerging trends and career pathways within the geology field. 3. Areas for Improvement: <ul style="list-style-type: none"> - Ensure all data sources are the most recent available to maintain the relevance and accuracy of the analysis. - Some sections could benefit from further condensing to enhance readability without losing critical details. - Consider adding more international perspectives if the analysis is currently region-specific. This could provide a more global view of the economic value of a geology degree. 4. Additional Suggestions: | |

Review Form 3

| | | |
|--|---|--|
| | <p>- Including case studies or interviews with geology graduates could add a qualitative dimension to the analysis, providing personal insights and real-world examples of career trajectories.</p> <p>- Highlight any gaps in the current research and suggest areas for future studies to further explore the economic implications of geology education.</p> <p>5. Presentation and Formatting:</p> <p>- Ensure consistent formatting throughout the manuscript, particularly with headings, subheadings, and citation styles.</p> <p>- Tables and figures, if included, should be clearly labeled and referenced in the text to support the analysis effectively.</p> <p>6. Potential Impact:</p> <p>- This review could serve as a valuable resource for prospective students, academic advisors, and policymakers. By providing a detailed economic analysis, it can help guide decisions related to education and career planning in the field of geology.</p> <p>Overall, the manuscript is a strong contribution to the literature on higher education and career economics. With minor revisions and updates, it has the potential to be highly impactful and widely cited.</p> | |
|--|---|--|

PART 2:

| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|--|---|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

| | |
|----------------------------------|--|
| Name: | Pankaj Kumar Ojha |
| Department, University & Country | Banda University of Agriculture & Technology, India |