|  |  |
| --- | --- |
|  | |
| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4943** |
| Title of the Manuscript: | **Utilising the hierarchical hazard control model to reveal respiratory challenges faced by quarry and allied workers in Erongo, Otjozondjupa and Kunene regions, Namibia: A cross-sectional, quantitative study** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**African Journal of Environmental Science and Technology, 18(11), 229-237, November 2024.**

**DOI: 10.5897/AJEST2024.3303**

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback*(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimumof 3-4 sentences may be required for this part.** | Although the study addresses a critical occupational health risk, its techniques and results might be more clearly communicated.  The study's impact will improve if the debate and policy recommendations are enhanced.  The study's robustness will be enhanced by addressing methodological clarifications, particularly in data validity and analysis.  Table 4's statistical data are well reported. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, very much** |  |
| 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. | The abstract effectively summarizes the key findings. But more details on the research implications and how they contribute to policy or workplace safety improvements is necessary to be included  Consider restructuring some sentences in the introduction for improved readability. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The introduction should explicitly state the research gap that this study seeks to address.  While the incidence of occupational respiratory disorders is examined, it is necessary to specifically indicate how this study contributes to or varies from past studies.  Taro Yamane's formula is utilized, along with a brief explanation of why a 95% confidence and 5% significance level were chosen to improve transparency.   It would be helpful to specify if pilot testing of the questionnaire was undertaken prior to data collection.  The ethical concerns section might comment on procedures used to preserve anonymity and confidentiality, particularly given the potential employment consequences of replies.  The "Protection of Quarry and Allied Workers" section might need more specific comparisons of the effectiveness of the identified safeguards.  The findings reveal considerable gaps in training and medical surveillance; yet, there is little consideration of potential impediments to implementing these measures.  The advice should be more actionable. For example, instead of stating "enhancing educational initiatives on respiratory safety," explain whether this should be accomplished through mandated workplace training, government-led initiatives, or compliance incentives.  The regression model explanation is correct, however there is no discussion of multicollinearity diagnostics (such as VIF values). |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The study references relevant literature but could benefit from more recent studies e.g., post-2022 on **respiratory protection in mining and construction.**  Some references e.g., "Momyer, 2016" lack complete citation details. Ensure consistency in formatting. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/Generalcomments | The conclusion effectively summarizes major results but lacks clear policy suggestions.   Address occupational health enforcement gaps, viable remedies (for example, government subsidies for personal protective equipment), and industry best practices.   Refine the statistical interpretations, extend the theoretical framework discussion, and provide concrete policy suggestions to dramatically increase the research's effect. |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewers:**

**N Dinesh Kumar, India**