|  |  |
| --- | --- |
|  | |
| Book Name: | [**Scientific Research, New Technologies and Applications**](https://www.bookpi.org/bookstore/product/scientific-research-new-technologies-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_3705** |
| Title of the Manuscript: | **Impacts of aerosol scattering attenuation on free-space optical communication in owerri, nigeria** |
| Type of the Article | **Book Chapter** |

|  |  |  |
| --- | --- | --- |
| PART 1: Review Comments | | |
| Compulsory REVISION comments | Reviewer’s comment | 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | **1. “Abstract Refinement: The abstract should be rewritten succinctly, emphasizing three key aspects:**  **The paper's primary objective, the approach/methodology employed, and a concise summary of the results obtained by summarizing our key results more succinctly your abstract is microscopic so that needs expanding information the reader see the target of the work**  **2.Figures need to declearation and the all equations needs to re writing again**  **3.English language needs to improvings and some frases has multi mistakes in chapter**  **I suggested contributing to enhancing the quality of this research by adding and comparing with the references that concern the profile of optical communications below**  **a. Khamees, Hussein Thary, Hussein T. Salloom, and Israa N. Akram. "Near-field propagation of a flat-topped gaussian beam: analysis in weakly turbulent atmospheres." Edelweiss Applied Science and Technology 8.5 (2024): 1426-1433.**  **b.Khamees, Hussein Thary, and Sameer Algburi. "Laser beam blink propagation: Evaluation BER in free space resembled dual SLG." Optics and Lasers in Engineering 171 (2023): 107761.**  **c. Khamees, Hussein Thary, Ahmed Saad Hussein, and Nadhir Ibrahim Abdul Khaleq. "An evaluation of scintillation index in atmospheric turbulent for new super Lorentz vortex Gaussian beam." TELKOMNIKA (Telecommunication Computing Electronics and Control) 21.1 (2023): 1-7.**  **d. Khamees, Hussein Thary. "Laser Gaussian beam analysis of structure constant depends on Kolmogorov in the turbulent atmosphere for a variable angle of wave propagation." Journal of Laser Applications 34.2 (2022).**  **e. Khamees, Hussein Thary. "Average intensity of SLVGB for slant path propagation in atmospheric turbulence." Results in Optics 5 (2021): 100159.**  **f. Khamees, Hussein Thary, and Munaf Salih Majeed. "A receiver intensity for Super Lorentz Gaussian beam (SLG) propagation via the moderate turbulent atmosphere using a novelty mathematical model." Journal of Optical Communications 0 (2020): 000010151520200062.**  **g. Khamees, Hussein Thary, et al. "Structure constant analyzing of SLG beam Kolmogorov in atmospheric slant path propagation." AIP Conference Proceedings. Vol. 2129. No. 1. AIP Publishing, 2019.**  **h. Khamees, Hussein T. "Atmospheric propagation model and affecting on laser beam propagation via free space." Frontiers in optics, OSA technical digest (2017).** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes this title of article is suitable** |  |
| 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. | **Rewriting the abstracts** |  |
| **Are subsections and structure of the manuscript appropriate?** | **Yes the manuscript is appropriated** |  |
| **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.** | **1.how to measuring the scintillation index in this study.Please explain how to get the results** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **I suggest you to add references for the increasing the quility** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | 1. The English language needs to be written by academic writing.  ‎ |  |
| Optional/General comments |  |  |

|  |  |  |
| --- | --- | --- |
| **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)* |  |

|  |  |
| --- | --- |
| **Reviewer Details:** | |
| Name: | **Hussein Thary Khamees** |
| Department, University & Country | **Al-Nahrain University, Iraq** |