

## Review Form 1.7

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_98172</b>
Title of the Manuscript:	<b>An Improved Wavelength Diversity Based Free Space Optical Link: Effects of Fog and Atmospheric Turbulence</b>
Type of the Article	<b>Original Research Article</b>

### General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy> )

### PART 1: Review Comments

	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)
<b>Compulsory REVISION</b> comments <b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)  <b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)  <b>3. Is the abstract of the article comprehensive?</b>  <b>4. Are subsections and structure of the manuscript appropriate?</b>  <b>5. Do you think the manuscript is scientifically correct?</b>  <b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b> <b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b>	1.- Yes, it tries to improve the communication between systems. 2.- Yes, the title is according with the topic 3.- Yes, it is clear 4.- Yes, the subsection clarify the information 5.- Yes 6.- I think that there is some updated information  Almogahed, A., Amphawan, A., Mohammed, F., & Alawadhi, A. (2022). Performance improvement of mode division multiplexing free space optical communication system through various atmospheric conditions with a decision feedback equalizer. <i>Cogent Engineering</i> , 9(1), 2034268.  Yang, R., Han, J., Liang, L., Li, R., & Zhou, Y. (2023). Joint channel model for fog and atmospheric turbulence and performance analysis of unmanned aerial vehicles' free-space optical communication. <i>Optical Engineering</i> , 62(1), 016104. Akbucak, V., Aymelek, G., Yolcu, B., Kayam, O., Ünal, O., Gökçe, M. C., & Baykal, Y. (2022). Effect of partial coherence on signal-to-noise ratio performance of free space optical communication system in weak turbulence. <i>Optics Communications</i> , 518, 128395.	
<b>Minor REVISION</b> comments <b>1. Is language/English quality of the article suitable for scholarly communications?</b>	Yes, I think that this paper has been written in a well structure.	
<b>Optional/General</b> comments	In the text I marked some changes that may have been caused by a misspelled word. Please check if you find it useful.  The equations should have the same type of letter as the description in the text.  Finally, the figures need to be improved. The letters are too small so it could be read clearly	

### 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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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