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| Journal Name: | [**Journal of Advances in Microbiology**](https://journaljamb.com/index.php/JAMB) |
| Manuscript Number: | **Ms\_JAMB\_138995** |
| Title of the Manuscript: | **In vitro evaluation of fungicides against Fusarium oxysporum f. sp. Udum causing wilt disease in pigeon pea** |
| Type of the Article |  |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (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 minimum of 3-4 sentences may be required for this part.** | This work aims to promote and perpetuate sustainable agriculture in countries with high growth rates in which the agricultural sector guarantees food security. To achieve this goal, it is important to develop innovative methods of combating pathogens in local and export crops. Among these methods, the use of chemical fungicides remains the most widespread in the world. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title of this article appropriates for this work, except that it will be necessary to remove oxysporium and keep the genus Fusarium sp |  |
| 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 seems correct to me |  |
| Is the manuscript scientifically, correct? Please write here. | Scientifically, the manuscript is not correct. Because the author of this work does not tell us the real interest of his work in the introduction. Why did he use chemical fungicides for this work?  - In the section describing the symptoms of the disease, the author must present images showing the damage caused by these Fusarium sp.  - In the materials and methods section, the author states that it is Fusarium oxysporium, knowing that he did not perform molecular identification to determine the species.  - The author does not tell us how he prepared the different concentrations of chemical fungicides in ppm.  - In the results section, the author does not present images of the inhibition of the Fusarium sp. mycelium by the different concentrations of fungicides. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are not sufficient for this work of such magnitude. I find that they are largely outdated. There are several recent works on this topic. |  |
| Is the language/English quality of the article suitable for scholarly communications? | the language level is moderately acceptable in my opinion |  |
| Optional/General comments | After reviewing this work, it is worth noting that:  - Information should be added to the introduction for greater scientific impact.  - The methodology should be more explicit, especially regarding pathogen identification and the preparation of fungicide concentrations in ppm.  - Statistical analyses should appear in the manuscript to truly enhance the discussion, particularly curves, histograms, and diagrams. |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (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:**

**Dominique Sagou, Felix Houphouet-Boigny University, Côte d’Ivoire**