

**Review Form 1.7**

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_117138</b>
Title of the Manuscript:	<b>Comparative Evaluation of in-vitro Efficacy of Bioagent Culture Filtrates and Novel Chemical Compounds Against Fusarium oxysporum f.sp. cubense</b>
Type of the Article	<b>Original Research Article</b>

## Review Form 1.7

### 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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The English needs improvement.</p>	
<p><b>Optional/General</b> comments</p>	<p>The [Ms_IJPSS_117138] entitled “Comparative Evaluation of <i>in-vitro</i> Efficacy of Bioagent Culture Filtrates and Novel Chemical Compounds Against <i>Fusarium oxysporum</i> f.sp. <i>cubense</i>” reports in this paper, this study investigates the <i>in-vitro</i> bioefficacy of indigenous bioagents and new-generation chemical compounds against <i>Foc</i> to develop an integrated module subsequently, in line with the worldwide pursuit of environmentally conscientious and high-performance agricultural practices. In this study four bioagents viz., <i>Bacillus vallismortis</i>, <i>Bacillus amyloliquefaciens</i>, <i>Trichoderma harzianum</i> and <i>Talaromyces pinophilus</i> were screened <i>in-vitro</i> against <i>Foc</i> revealed the highest efficacy of <i>B.vallismortis</i> with 68.22 % mycelial growth inhibition of <i>Foc</i> followed by <i>B. amyloliquifaciens</i> with (60.05% ) and the least inhibition was exhibited by <i>Talaromyces pinophilus</i> with 50.05%. To identify new generation chemical compounds, namely Propiconazole, Azoxystrobin, Tebuconazole + Trifloxystrobin were tested with a standard check Carbendazim wherein all the chemicals significantly inhibited the mycelial growth of the pathogen over control with Tebuconazole + Trifloxystrobin combination fungicide showing highest percent inhibition of 94% at 0.1% concentration followed by Carbendazim at 0.1%.</p> <p>The manuscript will be accepted after addressing the major comments given below:</p> <p>1. There are English mistakes, and the grammar needs to be improved substantially. The manuscript should be corrected by a native speaker.</p>	

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	<p>2. The preface must be rewritten and focus on comparisons between authors' innovation points and previously reported works.</p> <p>3. The authors must cite these recent references for the improvement of literature; <a href="https://doi.org/10.3390/plants12122241">https://doi.org/10.3390/plants12122241</a> <a href="https://doi.org/10.1016/j.jenvman.2022.116963">https://doi.org/10.1016/j.jenvman.2022.116963</a></p> <p>4. I will recommend the acceptance of the MS after addressing the above mentioned comments.</p>	
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**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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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