

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_111580
Title of the Manuscript:	In vitro Evaluation of antagonistic effect of Bio Control Agents (BCA) against mango dieback incited by Lasiodiplodia theobromae (Pat.) Griffon & Maubl
Type of the Article	

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)
Compulsory REVISION comments		
1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)	Yes, this manuscript is significant given that the scientific community is eager to find workable solutions to health issues that don't endanger human health and the environment.	
2. Is the title of the article suitable? (If not please suggest an alternative title)	The title is appropriate, however I would like to provide other shorter titles that might catch readers' attention. The following titles were offered, if the author and the other panel of reviewers could agree; <ul style="list-style-type: none"> 1. Bio Control Agents (BCA): A control Against <i>Lasiodiplodia theobromae</i> in Mangoes (<i>Mangifera indica</i> L.) 2. Effect of Bio Control Agents (BCA) on Mango (<i>Mangifera indica</i> L.) Dieback 	
3. Is the abstract of the article comprehensive?	Yes. I have just few suggestions on this part. Suggestions were written in red ink. <p style="text-align: center;">Abstract</p> <p>Mango (<i>Mangifera indica</i> L.) is one of the most important tropical fruit crops, belongs to family anacardiaceae. Mango is infected by number of diseases at all stages of its development, among them dieback caused by <i>Lasiodiplodia theobromae</i> (Pat.) Griffon & Maubl. is considered to be the most destructive disease, leading to significant yield loss and low fruit quality of mango due to slowly wilting of tree. The present investigation was carried out to evaluate the inhibitory activity of different bio-control agents (BCA) against <i>L. theobromae</i>. Different bioagents viz., <i>Trichoderma viride</i> NAU isolate, <i>T. harzianum</i>, NAU isolate, <i>Pseudomonas fluorescens</i> NAU isolate, <i>Bacillus subtilis</i> NAU isolate and Rhizospheric actinobacteria were tested by dual culture technique. Among them, the highest percent growth inhibition was found in <i>T. viride</i> (71.47%) followed by <i>T. harzianum</i> (67.15%) and Rhizospheric actinobacteria (47.84%). <i>P. fluorescens</i> (3.46%) was found least effective against the pathogen. The results indicated that among all the BCA, <i>T. viride</i> was most effective against <i>L. theobromae</i>. Hence, it can be explored further for management of mango dieback.</p> <p>Key words: Mango, Die back, Bio-control agent, <i>Lasiodiplodia</i>, <i>Trichoderma</i></p>	
4. Are subsections and structure of the manuscript appropriate?	Yes, it is appropriate. However, for the readers' convenience, I would want to advise that the BCA and pathogen's microbial count be stated in the Materials and Methods section.	
5. Do you think the manuscript is scientifically correct?	Yes, it is.	

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<p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, it is.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, it is.</p>	
<p>Optional/General comments</p>	<p>Reviewer's comment</p> <p>On Results and Discussions, it is helpful to have more or add research results and related studies to be cited to further strengthen and support the results.</p> <p>In the recommendations sections, we can suggest combining <i>Trichoderma viride</i> and <i>Trichoderma harzianum</i> for further studies or suggesting additional BCA combinations that exhibit high percentage growth inhibition. In addition, further study in vivo may be suggested to examine the efficacy of these BCA on field condition.</p> <p>Indeed, this study is really helpful to farmers and the environment.</p>	

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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