

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_127041
Title of the Manuscript:	Effect of botanicals with carbendazim against anthracnose (<i>Colletotrichum lindemuthianum</i>) of black gram (<i>Vigna mungo</i> L.)
Type of the Article	

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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)
<p>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.</p>	<p>Carbendazim is a commonly used fungicide, but overreliance on chemical fungicides can lead to environmental damage, health risks, and pathogen resistance. Investigating botanicals as complementary agents with carbendazim could reduce the required dosage of chemicals, mitigating their adverse effects. The continuous application of carbendazim alone can lead to resistance in <i>Colletotrichum lindemuthianum</i>. Botanicals offer diverse modes of action that can potentially delay or prevent the development of resistance, making them vital in creating sustainable control methods. Combining botanicals with carbendazim could produce a synergistic effect, potentially improving the overall efficacy of anthracnose control. This could be valuable in achieving higher yields and better quality of black gram, which is a crucial legume crop in many regions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes title is according to manuscript</p>	
<p>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.</p>	<p>Not required</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>This research explores the potential synergistic or additive effects of botanicals with carbendazim, offering a mechanistic understanding of how different compounds interact to inhibit <i>C. lindemuthianum</i>. By examining these interactions, researchers can gain insights into effective combinations that maximize pathogen suppression while minimizing chemical inputs. Determining the optimal dosage of carbendazim when combined with botanicals can result in effective disease management at reduced chemical concentrations. This technical adjustment is critical for limiting environmental contamination and reducing potential toxicity to crops, soil, and beneficial organisms. Evaluating the residual effects of combined treatments and their impact on plant health allows researchers to assess the longevity and safety of these control measures. This quantification is vital for understanding potential phytotoxicity in black gram and ensuring the safety of residues on food products.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes the references are sufficient and recent</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes language is clear and illusive</p>	
<p>Optional/General comments</p>		

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PART 2:

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

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