

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_105232</b>
Title of the Manuscript:	<b>MOLECULAR CHARACTERISATION OF YELLOW MOSAIC VIRUS INFECTING BLACK GRAM AND GREEN GRAM IN COIMBATORE DISTRICT</b>
Type of the Article	

### **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.journalijpss.com/index.php/IJPSS/editorial-policy> )

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**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 REVISION comments</b></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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ul style="list-style-type: none"> <li>Yes, the manuscript's importance for the scientific community hinges on its ability to offer novel insights into Mungbean Yellow Mosaic Virus (MYMV) infection in black gram and green gram crops. Its significance lies in addressing agricultural concerns and potential crop yield impacts. However, clearer separation between results and discussion, along with more interpretative insights, would enhance the clarity and depth of the findings presented.</li> </ul> <p>The title</p> <ul style="list-style-type: none"> <li>Yes, the title is suitable for the article. It clearly conveys the focus of the study, which is to characterize the molecular aspects of the Yellow Mosaic Virus in its infection of black gram and green gram crops specifically in the Coimbatore District. The title effectively communicates the subject matter and scope of the research, providing readers with a clear understanding of the article's content.</li> </ul> <p>The abstract</p> <ul style="list-style-type: none"> <li>seems to touch on all the major aspects of the study - the virus identity, symptoms, sample collection, molecular confirmation, and key results. Unless there are major parts of the study not mentioned at all, the abstract does appear fairly comprehensive in summarizing the main points.</li> </ul> <p>Introduction</p> <ul style="list-style-type: none"> <li>It provides relevant background information on Mungbean, urdbean and MYMV, setting the context for studying these crops and virus in Coimbatore district.</li> <li>The details on MYMV molecular properties, transmission, genome organization etc. lay the foundation for a molecular characterization study.</li> <li>Establishing the agricultural importance and yield impacts of MYMV underscores why molecular characterization is needed.</li> <li>Referencing previous geographic distribution studies provides justification for focusing the new study in Coimbatore district.</li> <li>Symptom description helps orient the reader to what might be observed during field/sample collection.</li> <li>Some minor tweaks could improve the fit:</li> <li>Mention Coimbatore district specifically when introducing the study location/scope.</li> <li>Highlight that the aims/objectives involve molecular techniques like genome sequencing.</li> <li>Briefly flag that new data from Coimbatore will add to existing MYMV knowledge.</li> </ul> <p>Results</p> <ul style="list-style-type: none"> <li>Provide more detailed descriptions of the microscopic or molecular level observations and results, rather than just stating conclusions.</li> <li>For figures, include labels and error bars as needed. Clarify what each band/lane represents in the gel images.</li> <li>For statistics like PDI %, show the calculations rather than just stating the value.</li> <li>Elaborate on implications of DNA quality, possible issues, and what was done to address them.</li> <li>Correlate visual disease scores with molecular test outcomes to validate scoring method.</li> <li>Discuss sequences obtained - similarity to known MYMV strains, presence of expected genes, etc.</li> <li>Qualitatively or quantitatively compare MYMV titers between crop species.</li> <li>Address whether both DNA-A and DNA-B components were detected.</li> <li>Highlight a representative sequence for deposition in genetic databases.</li> <li>Discuss limitations, sources of error, and ways findings advance understanding of MYMV.</li> <li>Draw overall conclusions and suggest directions for future research</li> </ul> <p>4-ok 5-ok 6-ok</p>	

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<b>Minor</b> REVISION comments <b>1. Is the language/English quality of the article suitable for scholarly communications?</b>	<ul style="list-style-type: none"><li>The language and English quality of the article appear suitable for scholarly communication. Some minor improvements, such as maintaining consistent verb tenses and explaining technical terms, could enhance clarity.</li></ul>	
<b>Optional/General</b> comments		

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>	

### **Reviewer Details:**

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