

Journal Name:	<a href="#">PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY</a>
Manuscript Number:	Ms_PCBMB_12682
Title of the Manuscript:	<b>BOOSTING MUNGBEAN GROWTH AND SOIL FERTILITY: A SUSTAINABLE APPROACH THROUGH ENHANCED NODULATION</b>
Type of the Article	

### **General guidelines for the 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.

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### **PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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<p><b>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.</b></p>	<p><b>The manuscript is highly significant for the scientific community, as it provides valuable insights into sustainable agricultural practices, particularly for legume cultivation. By focusing on enhancing nodulation in mungbean, this research offers a novel approach to improving crop yields while promoting soil fertility, which is essential for long-term agricultural productivity. The manuscript's findings have the potential to guide future research on symbiotic relationships between plants and rhizobial bacteria, influenced by pre sowing phytohormonal seed priming contributing to advancements in ecological farming techniques. Overall, this work advances our understanding of how to leverage biological processes to foster both environmental sustainability and food security, making it a crucial contribution to agricultural science.</b></p>	<p>Noted</p>
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>Yes. However, authors can use some other titles.</b>  <b>Alternate titles:</b> <ol style="list-style-type: none"> <li><b>"Enhancing Mungbean Growth through Phytohormonal Seed Priming and Nodulation: A Sustainable Approach"</b></li> <li><b>"Boosting Mungbean Growth and Root Nodulation with Phytohormonal Seed Priming for Sustainable Agriculture"</b></li> </ol> </p>	<p>Noted</p>

<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section?</b>  <b>Please write your suggestions here.</b></p>	<p><b>Yes.</b></p> <p><b>However, authors should write greengram instead of Greengram, randomized block design instead of Randomized Block Design and mungbean instead of Mungbean.</b></p>	Noted
<p><b>Is the manuscript scientifically, correct?</b>  <b>Please write here.</b></p>	<p>Yes, the manuscript is scientifically correct. The methodology used is appropriate, and the experimental design effectively addresses the research questions. The results are well-supported by the data, and the conclusions are consistent with the findings. Overall, the manuscript presents a solid contribution to the field with no major scientific issues.</p>	Noted
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>I feel the number of references should be increased in this manuscript for support the information, results and discussions of the manuscript.</p>	Noted
<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes.</p>	
<p><b><u>Optional/General</u> comments</b></p>	<p><b>Authors should use subscript to write Vitamin B<sub>1</sub>, B<sub>3</sub>, B<sub>2</sub> &amp; B<sub>9</sub> instead of Vitamin B1, B3, B2 &amp; B9 in INTRODUCTION section. The authors have used capital letters for writing some word in running sentences like- Manufactured, Organic and many more in the manuscript which should be avoided. The materials and methods can be explain more for better understanding of the readers and researchers. Conclusion section is seems like the results are summarized their which should be avoided and written as the precise.</b></p>	Noted

**PART 2:**

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