

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_102941
Title of the Manuscript:	Effects of seed invigoration treatments with bio-priming on germination, vigour and seedling growth in black gram (Vigna mungo L.)
Type of the Article	Original Research 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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Reviewer Comments The results presented are quite important and therefore can contribute to sustainable ecological agriculture. However, the manuscript was not written according to the rules of the art of scientific writing.</p> <p>introduction The superficial introduction does not make the state of the art of the theme and the research question not clearly posed.</p> <p>Methods not explicit</p> <ul style="list-style-type: none"> - Statistical analyses are not defined or at least there are none - The sample size and tests repetitions are not specified - "The soaked seeds were then removed from the solution and dry for certain period of time". This sentence has no scientific basis - <u>What are the different formulas used to evaluate different parameters?</u> <p>Results and Discussion</p> <ul style="list-style-type: none"> - The results presentation is quite flat and does not give the biological meaning of these results - <u>The author does not discuss his results; rather, it compares them to other results in the literature.</u> <p><u>In view of the above, this manuscript needs to be reworked in a profound way for a scientific publication.</u></p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 		
<p>Optional/General comments</p>		

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)
<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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