

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_102583
Title of the Manuscript:	Effect of Different Physical and Chemical Treatments on Germination Initiation and Seedling Establishment in Spine gourd (Momordica dioica Roxb.)
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>)

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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate? 5.</p> <p>Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>- It should increase the discussion on physical and chemical treatments that do not affect seed growth and germination, thereby broadening the work.</p> <p>Following references need to be added</p> <p>Bopper S, Kruse M. Temperature mediated physiological dormancy in dry bitter gourd (Momordica charantia) seeds. Seed Science and Technology. 2018 Apr 1;46(1):19-30.</p> <p>Wang J, Zhang Y, Zhou L, Yang F, Li J, Du Y, Liu R, Li W, Yu L. Ionizing radiation: Effective physical agents for economic crop seed priming and the underlying physiological mechanisms. International Journal of Molecular Sciences. 2022 Dec 2;23(23):15212.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>-Check and edit the grammar</p>	
<p>Optional/General comments</p>	-	

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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15-12-2022)