

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_124829
Title of the Manuscript:	Improving the germination performance of kalmegh (<i>Andrographis paniculata</i> wall. ex Nees) through hydropriming, halo-priming and osmopriming under salinity condition
Type of the Article	

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	The manuscript addressed a pressing global agricultural issue especially on soil salinity and its detrimental effects on seed germination and early plant growth. It also showcases the effective seed priming techniques in mitigating salinity stress, a method that is cost-effective and accessible for enhancing seed vigor and stress tolerance.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title uses precise scientific terms and clearly reflects the focus of the study	
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.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	The research addresses a critical issue in agriculture, especially given the increasing levels of salinity in irrigated lands. It is also significant, especially for farmers dealing with saline soil. Priming techniques used, especially KNO ₃ priming, can help mitigate the adverse effects of salinity on germination and seedling growth.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
<u>Minor</u> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	Observation The study primarily focuses on the outcomes of priming treatments without delving deeply into the underlying physiological or molecular mechanisms by which KNO ₃ improves seed performance. Also, it would be useful to see if these findings can be generalized to other medicinal or non-medicinal plants	

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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>	

Reviewer Details:

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