

Review Form 3

Journal Name:	Asian Journal of Agricultural and Horticultural Research
Manuscript Number:	Ms_AJHR_124301
Title of the Manuscript:	Effect of Seed Priming on Adaptive Morphological Traits of Anaerobic Germination Tolerant Upland Rice Genotypes
Type of the Article	

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<p>This manuscript is valuable to the scientific community for addressing agricultural resilience and productivity in Myanmar, where environmental and economic challenges affect farming. It combines empirical data with practical approaches, such as seed pre-treatment and submergence tolerance in rice, relevant to climate change and food security.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>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.</p>	<p>The abstract provides a fairly comprehensive overview of the study, but it can be improved in a few areas to enhance its clarity, structure, and completeness.</p> <ul style="list-style-type: none"> • The abstract doesn't explain the background or purpose of the study. • Why was the study conducted? • What problem is being addressed? • A brief sentence or two introducing the problem or rationale behind the study would make the abstract more informative. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>Some improvement in the introduction section The introduction jumps to seed priming without fully explaining why it's relevant to anaerobic germination (AG) tolerance in Myanmar. Some sentences are lengthy and convoluted, making it harder to read- "Myanmar rice production has fluctuated substantially in recent years, over 27 million tons produced in 2019 (CSO, 2020) [2] and Myanmar accounted for more than 13 million metric tons of milled production in 2020 (USDA, 2020)[3]." The introduction ends without clearly stating the objectives or hypotheses of the study. A clear research question or objective should be articulated. In Methodological Details- The concrete ponds where the experiments were conducted should be described in more detail. How big were the ponds? Were any additional environmental conditions (e.g., temperature, light) controlled? These details are essential for reproducibility.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes</p>	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments		

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)
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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