

Review Form 3

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_121493
Title of the Manuscript:	Effects of Fish guano and Abscisic acid on Leaf area index, Stomatal conductance, Photosynthetic active radiation and Relative water content of Grain Amaranth (Amaranthus cruentus L.) under moisture stress conditions
Type of the Article	

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PART 1: Review Comments

<u>Compulsory</u> 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>The study is significant as it explores the synergistic effects of fish guano and abscisic acid (ABA) on key physiological parameters of Grain Amaranth (<i>Amaranthus cruentus</i> L.) under moisture stress conditions. Understanding how these treatments influence leaf area index, stomatal conductance, photosynthetic active radiation, and relative water content can provide valuable insights into improving crop resilience to drought. This knowledge is crucial for developing sustainable agricultural practices, enhancing crop productivity, and ensuring food security in water-limited environments. I liked the manuscript but need some addition in the treatment mentioned below.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Impact of Fish Guano and Abscisic Acid on Stomatal Conductance, Relative Water Content, Leaf area Index and Photosynthetic Efficiency in Grain Amaranth (<i>Amaranthus cruentus</i> L.) Under moisture Stress</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>satisfied</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The conclusion section should be written in a more scientific manner</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>	<ol style="list-style-type: none"> 1. Soil moisture stress should be measured by Soil Water Tension. What is the extent of induced moisture stress that should be incorporated in the treatment details? 2. Leaf Proline Content: Although the author has not conducted any antioxidative study in this paper, the measurement of proline content would justify the RLWC (Relative Leaf Water Content) and endogenous ABA levels at different stages of observation. 3. Weather Data: As this is a field experiment, the author should incorporate the weather data for the time period to provide a more comprehensive analysis. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Sufficient and satisfied</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>		

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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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