

Review Form 3

Journal Name:	<u>Asian Research Journal of Agriculture</u>
Manuscript Number:	Ms_ARJA_125083
Title of the Manuscript:	Impact of Neem leaves and stem derived smoke water treatment on Growth, yield and seedling parameters of Buckwheat (<i>Fagopyrum tataricum</i>) Genotype IC 329195.
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments		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 presents significant insights into the potential of neem leaves and stem-derived smoke water as an organic treatment to enhance the growth, yield, and seedling parameters of buckwheat, a nutrient-rich pseudocereal. By demonstrating substantial improvements in key agronomic traits, particularly at a 1% concentration, the study offers valuable data supporting sustainable agricultural practices. The findings contribute to the ongoing search for eco-friendly and cost-effective solutions to boost crop performance under challenging environmental conditions. I appreciate this manuscript for its innovative approach and practical implications in advancing sustainable agriculture, although a deeper exploration of the underlying mechanisms could further enrich its scientific value.</p> <p>Good article with nature based; more applications can be added to updation</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title is suitable</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>Abstract is good , that includes results and conclusion with effectiveness</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript were appropriate</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>The manuscript is scientifically robust and technically sound due to its meticulous experimental design, including the use of both Completely Randomized Design (CRD) and Randomized Block Design (RBD) for laboratory and field experiments, respectively. The study employs a comprehensive range of smoke water concentrations, allowing for a detailed analysis of its effects on various growth and yield parameters. The significant enhancements observed in key metrics, such as field emergence percentage, plant height, and seed yield per plant, are supported by precise measurements and statistical analyses. Additionally, the inclusion of control treatments and the replication of experiments strengthen the reliability and validity of the findings, ensuring that the conclusions drawn are well-founded and scientifically accurate.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>References were upto 2021, can include recent articles</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>English quality of the article was suitable for scholarly communications</p>	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> • Overall good manuscript • References can be included with recent citations • Conclusion part can be highlighted with societal development 	

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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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