

Review Form 1.7

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_116796
Title of the Manuscript:	The function of RNA interference (RNAi) in crop enhancement- Mechanism and Applications: A Review
Type of the Article	Review Article

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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?</p> <p>5. 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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. It is an interesting manuscript in the field of agriculture biotechnology that highlights the various advantageous traits of gene silencing upon crop plants. RNAi offers a non-transgenic approach to gene editing, enhancing crop productivity and resilience.</p> <p>2. The title of the manuscript appears satisfactory.</p> <p>3. The abstract seems adequate, although it could benefit from a more structured approach, including clearly defining the study's goals, objectives, and identifying any gaps in the existing literature.</p> <p>4. The subsection and structure of the manuscript seem appropriate but I have few suggestions such as:</p> <p>a. Introduction also lacks the aim of the study and gaps in the existing literature.</p> <p>b. Figure 1 is missing in context.</p> <p>c. Definition of RNAi should come early in the text rather than later. To enhance comprehension, it would be beneficial to include clear definitions of miRNA and siRNA, as well as distinguish between them, within the manuscript.</p> <p>d. Additionally, the manuscript does not include a section addressing the limitations and challenges associated with the utilization of RNAi technology.</p> <p>e. Recent advancements at both national and global levels regarding the application of RNAi in crop improvement.</p> <p>f. The conclusion and prospects for future research should be incorporated at the end of the manuscript.</p> <p>5. The manuscript's language appears fine with few grammatical errors that can be taken care of. Also, I'd like to highlight instances where causal language is used instead of scientific language (paragraph 4 of the introduction, etc).</p> <p>6. References seem sufficient and up to date.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>A few grammatical mistakes and casual language were reported at some places in the manuscript.</p>	
<p>Optional/General comments</p>		

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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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