

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Crop Science</b>
Manuscript Number:	<b>Ms_AJRCS_108257</b>
Title of the Manuscript:	<b>USING CRISPR/CAS9 TECHNOLOGY TO IMPROVE CROPS AND ADDRESS THE GLOBAL FOOD CRISIS: A REVIEW</b>
Type of the Article	<b>Review Article</b>

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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><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ul style="list-style-type: none"> <li>• The snowballing number of people on the planet combined with the adverse effects of climate change might ultimately lead to problems with food security.</li> <li>• It is said previously that the study of gene function has centred on genetic engineering for a number of years and necessitates recognizing biological tricks and mutating cells both physically and biologically to upsurge agricultural yield.</li> <li>✚ Yes, the title of the manuscript is appropriate enough.</li> <li>✚ Yes, the abstract written is comprehensive.</li> <li>• Yes, they are appropriate enough elucidating various significant aspects and depicting exemplary figures.</li> <li>• The review focuses on the topical advancements in CRISPR/Cas9 technologies which has the ability to precisely and consciously modify a crop's genetic makeup and thereby it has accelerated the swing to improved crops.</li> <li>• Cas9 has been used to discourse numerous abiotic stressors in chief crops, including rice, wheat, maize, cotton, and potatoes. By creating crops that are resistant to abiotic stressors or climate change, plant breeding has rationalized plant breeding.</li> <li>• The author has chronicled that by adopting cutting-edge CRISPR/Cas9 techniques, next-generation sequencing, functional genomics research, and innovative systems biology, smart crop creation with enhanced yield and improved characteristics will be possible.</li> <li>• The references cited are adequate and recent enough.</li> </ul>	
<p><b>Minor</b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<ul style="list-style-type: none"> <li>• Pg. no.1, last 4<sup>th</sup> line: issue <b>in</b> relation- change preposition.</li> <li>✚ The usage of the English language is appropriate and splendidly suitable for scholarly communications.</li> </ul>	
<p><b>Optional/General</b> comments</p>	<ul style="list-style-type: none"> <li>• Overall, the manuscript has been tersely authored, remarkable, and well-presented with lucid figures.</li> </ul>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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