

**Review Form 3**

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_125699
Title of the Manuscript:	<b>CRISPR-Cas9: A cutting-edge genome-editing technology with many potential applications</b>
Type of the Article	<b>Review Article</b>

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<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 significant for the scientific community because it addresses the critical need for advanced genome editing technologies, like CRISPR-Cas9, in combating the rising threats of emerging infectious and non-infectious diseases exacerbated by climate change. It explores how CRISPR-Cas9 can revolutionize therapeutic, diagnostic, and vaccine development, as well as enhance food security by improving the resilience and productivity of plants and animals. I appreciate the manuscript for its timely relevance and comprehensive review of CRISPR-Cas9's applications in multiple fields, from medicine to agriculture. Its discussion of future challenges and opportunities opens the door for innovative research and practical implementation.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title of the article 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>Yes, the abstract of the article is comprehensive.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are 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>This manuscript demonstrates scientific correctness by highlighting the significant role of human activities in climate change and its link to the rise of infectious and non-infectious diseases. It accurately positions CRISPR-Cas9 as a revolutionary tool in genome editing with potential applications in developing therapeutics, diagnostics, and vaccines for emerging diseases. The comparative analysis of CRISPR-Cas9 against older genome editing tools, such as meganucleases, ZFNs, and TALENs, further supports the technical soundness of the manuscript. The review's coverage of the system's components and its broad applicability—from medical therapies to food security—reflects the depth and scientific robustness of the work.</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, the references are sufficient and recent.</p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language quality of the passage is generally clear and suitable for scholarly communication, but there are a few areas where the wording could be refined for clarity and flow.  <input type="checkbox"/> Simplified sentence structure and phrasing for smoother readability. <input type="checkbox"/> Organized the information logically to improve flow. <input type="checkbox"/> Clarified the role of CRISPR-Cas9 in various fields and reduced redundancy. <input type="checkbox"/> Corrected minor grammatical issues and improved punctuation for clarity.	
<b>Optional/General</b> comments		

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<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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