

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_125222
Title of the Manuscript:	The Impact of Next-Generation Sequencing on Biotechnology: A Review of Current Applications
Type of the Article	Review Article

Review Form 3

PART 1: Review Comments

Compulsory 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>Is the title of the article suitable? (If not please suggest an alternative title)</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>Are subsections and structure of the manuscript 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>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>		
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Suggested Revisions:</p> <ol style="list-style-type: none"> 1. Clarify the Role of Sanger Sequencing: While NGS has largely replaced Sanger sequencing, mention that Sanger still plays a role in smaller-scale projects and validation studies. 2. Expand on Clinical Diagnostics: Briefly discuss challenges of NGS in clinical settings, such as data interpretation and regulatory issues. 3. Explain Key NGS Technologies: Provide a short explanation of terms like "ion semiconductor sequencing" and "sequencing-by-synthesis" for better clarity. 4. Add Ethical Considerations: Include a brief mention of ethical concerns, such as data privacy and handling incidental findings in WGS. 5. Enhance Food Authenticity Section: Expand on the use of NGS in food authentication with a few examples. <p>With these minor revisions, the manuscript will be well-suited for publication.</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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