

### Review Form 3

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_125422
Title of the Manuscript:	<b>Annona stenophylla biosynthesised Zinc Oxide nanoparticles (ZnONPs), structural and activity characterisation</b>
Type of the Article	<b>Original Research Article</b>

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>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.</b></p>	<ul style="list-style-type: none"> <li>• This work contributes to the growing body of research on green synthesis of nanoparticles, which is crucial for the development of eco-friendly and sustainable nanotechnology.</li> <li>• The use of <i>Annona stenophylla</i> for biosynthesizing zinc oxide nanoparticles introduces a novel biological source with potential therapeutic applications, particularly in managing diabetes, a global health challenge.</li> <li>• The detailed characterization of the nanoparticles and the toxicity evaluation of the plant extract offers a comprehensive understanding of their safety and functionality.</li> <li>• However, toxicity evaluation of the synthesized ZnO Nanoparticles is not performed in this research.</li> </ul>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<ul style="list-style-type: none"> <li>• My suggestions:               <ol style="list-style-type: none"> <li>1. <b>Green Synthesis and Characterization of Zinc Oxide Nanoparticles from <i>Annona stenophylla</i> for Anti-diabetic Application.</b></li> <li>2. <b><i>Annona stenophylla</i> Biosynthesised Zinc Oxide Nanoparticles: Structural Characterisation, Phytochemical screening and Toxicity Evaluation.</b></li> </ol> </li> </ul>	
<p><b>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.</b></p>	<ul style="list-style-type: none"> <li>• Abstract is very well written.</li> <li>• But please mention clear separation between objectives, methodology and results.</li> <li>• Methodology is missing. I suggest adding the biosynthesis part and the tests performed in abstract.</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<ul style="list-style-type: none"> <li>• Yes.</li> </ul>	
<p><b>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.</b></p>	<ul style="list-style-type: none"> <li>• The detailed phytochemical screening, followed by a well-documented biosynthesis process, ensures that the research is scientifically correct and reproducible.</li> <li>• The inclusion of acute oral toxicity testing provides an essential safety evaluation, further supporting the potential biomedical applications of these nanoparticles.</li> <li>• The work gains additional scientific credibility from the toxicity evaluation, which was carried out in compliance with ethical guidelines. As a result, it is not only technically sound but also relevant for future biomedical research.</li> <li>• However, toxicity evaluation of the synthesized ZnO Nanoparticles is not performed in this research.</li> </ul>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -</b></p>	<ul style="list-style-type: none"> <li>• Yes. The references are sufficient and recent.</li> </ul>	
<p>Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<ul style="list-style-type: none"> <li>• Yes, the article is well written.</li> </ul>	
<p><b>Optional/General</b> comments</p>	<ul style="list-style-type: none"> <li>• I have added comments in the manuscript. Please check them out and make corrections accordingly.</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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Department, University & Country	<b>DOW University Of Health Sciences, Pakistan</b>