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| Journal Name: | [**Asian Journal of Research in Biochemistry**](https://journalajrb.com/index.php/AJRB) |
| Manuscript Number: | **Ms\_AJRB\_136535** |
| Title of the Manuscript: | **SYNTHESIS OF ZINC OXIDE NANOPARTICLES USING COLOCASIA ESCULENTA LEAVES EXTRACT AND ANTIMICROBIAL STUDIES OF WHITE YAM PATHOGENS** |
| Type of the Article |  |

**PART 1: Comments**

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|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer**  **review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The article presents a promising study on the biosynthesis of zinc oxide nanoparticles (ZnO NPs) using *Colocasia esculenta* leaf extract and evaluates their antimicrobial properties against white yam pathogens. The methodology is well-detailed, employing a green synthesis approach that is environmentally friendly and cost-effective. However, the manuscript would benefit from clearer organization, especially in the methods and results sections, to improve readability and ensure reproducibility. The discussion could also be expanded to include a deeper analysis of the significance of the findings and their practical implications for agricultural applications. Overall, the study offers valuable insights into alternative, sustainable solutions for controlling postharvest losses in agriculture, but some aspects need further refinement for clarity and impact.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, it is.** |  |
| **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.** | **Yes, it is.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, It is |  |
| **Are the references sufficient and recent? If you have**  **suggestions of additional references, please mention them in the review form.** | The references in this section are very old, it is better to use the latest articles to get a proper track record. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes, it is |  |
| **Optional/General** comments | Overall, the article offers valuable insights into an important field of research, but requires some revisions in terms of structure, clarity, and contextual depth to fully highlight its significance. With these adjustments, it could make a strong contribution to the literature on green nanotechnology and its applications in agriculture. |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer Details:**

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