

Review Form 1.7

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| Journal Name: | Journal of Experimental Agriculture International |
| Manuscript Number: | Ms_JEAI_118162 |
| Title of the Manuscript: | Harnessing Nanotechnology for Eco-Friendly Crop Enhancement and Sustainable Agriculture |
| Type of the Article | |

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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) |
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| <p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | | |
| <p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? | | |
| <p>Optional/General comments</p> | <p>The MS No. [Ms_JEAI_118162] entitled "Harnessing Nanotechnology for Eco-Friendly Crop Enhancement and Sustainable Agriculture" reports in this paper, the potential of harnessing nanotechnology for eco-friendly crop enhancement and sustainable agriculture. It discusses the various applications of nanotechnology in agriculture, including nanofertilizers, nanopesticides, nanosensors, and nanodelivery systems. The paper highlights the benefits of using nanotechnology in agriculture, such as increased crop yield, reduced environmental impact, and improved nutrient use efficiency. It also addresses the challenges and risks associated with the use of nanotechnology in agriculture, including potential toxicity, bioaccumulation, and the need for regulatory frameworks. The paper emphasizes the importance of responsible and sustainable use of nanotechnology in agriculture to ensure its long-term benefits while minimizing potential risks. The manuscript will be accepted after addressing the major comments given below:</p> <ol style="list-style-type: none"> 1. The preface must be rewritten and focus on comparisons between authors' innovation points and previously reported works. 2. There are English mistakes, and the grammar needs to be improved substantially. The manuscript should be corrected by a native speaker. 3. Write the percentage purity of all chemicals with company names. 4. The authors must cite these recent references for the improvement of literature results and discussion; https://doi.org/10.1016/j.ijbiomac.2024.131067 https://doi.org/10.1016/j.ijbiomac.2024.131155 | |

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| | <p>https://doi.org/10.1016/j.inoche.2024.112233</p> <ol style="list-style-type: none">5. Follow the journal format for writing all the headings and subheadings.6. Follow the standard format for all tables.7. The quality of figures are low. It is suggested to redraw it.8. I will recommend the acceptance of the MS after addressing the above mentioned comments. | |
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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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|----------------------------------|-----------------------------------|
| Name: | Khalil Ur Rehman |
| Department, University & Country | Gomal University, Pakistan |