

Review Form 1.7

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| Journal Name: | Journal of Advances in Biology & Biotechnology |
| Manuscript Number: | Ms_JABB_115113 |
| Title of the Manuscript: | Enhancing Agricultural Efficiency and Biodiversity Conservation through Nano-Pesticides: A Focus on Food Research |
| Type of the Article | Review |

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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <ol style="list-style-type: none"> 1. The title of the manuscript Ms_JABB_115113 is very attractive and important for scientific community who are working the field of Agricultural research including safe application of pesticide applying nanotechnology. But the overall review and adjective mentioned here is not as reach the target as claimed in the title. 2. The title of the manuscript is very catchy and appropriate for this review. 3. Abstract is inclusive not need any alteration. 4. Subsections and structure of the manuscript is satisfactory but the spectral data and intensity plots like SEM, TEM, DLS, X-ray data of different studies should be incorporated with proper permission. 5. In this review different types of nano-pesticides are mentioned and their synthetic route and mechanism of working including different methods of experimental studies are summarised. Different toxic effects on environment, plants, insects, microbes and human due to these nano-pesticides are described here. Hence the manuscript is scientifically important. 6. For this type of study related to health risk factor from agricultural runoff and related products references should be sufficient and most of them from recent study (after 2020) on this field, but this review performed based on almost 8 to 10 years or more old references. For this types of review very recent study or updates should be incorporated. | |
| <p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? | <ol style="list-style-type: none"> 1.may be | |
| <p>Optional/General comments</p> | <p>This review manuscript may be accepted after minor revision and required data and modification if provided by the Author as mentioned in the reviewer comments.</p> | |

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PART 2:

| | 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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| 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: | Ujjwal Das |
| Department, University & Country | Sarsuna College, University of Calcutta, India |