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| Name: | [**UTTAR PRADESH JOURNAL OF ZOOLOGY**](http://www.mbimph.com/journal/1) |
| Manuscript Number: | **Ms\_UPJOZ\_5028** |
| Title of the Manuscript: | **Survivability of the Earthworm *Perionyx sansibaricus* (Michaelsen) in Soil Contaminated with Aluminium Oxide**  **Nanoparticles** |
| Type of the Article | **Original Research Article** |

**PART 1: Comments**

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|  | **Reviewer’s comment** | | | **Author’s Feedback (It is mandatory that authors should write his/her feedback here)** | | |
|  | **Artificial Intelligence (AI) generated or assisted review comments** | | |  |  |
| **are strictly prohibited during peer review.** |  |  | | |
| **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.** | **Earthworms are crucial for soil health, playing a vital role in nutrient cycling, soil structure, and organic matter decomposition. Their ability to survive in contaminated soils can**  **indicate the potential risks to soil biota and the overall health of the ecosystem.** | | | **The production of Al2O3 nanoparticles has experienced significant growth due to its expanding range of possible uses in many industrial areas. Earthworms make up a significant proportion of the overall biomass of invertebrates in the soil, accounting for more than 80%. Earthworms are essential soil organisms that improve soil fertility by enhancing the biological, chemical, and physical aspects of the soil. The study has been carried out to investigate harmful effects in the common native epigeic earthworm *Perionyx sansibaricus*** | | |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Survivability of the Earthworm *Perionyx sansibaricus* (Michaelsen) in Soil Contaminated with Aluminium Oxide Nanoparticles.**  **I appeal to Author and Editor to indicate the common name of Perionyx sp. The word (Michaelsen) is not suitable.** | | | **There is no popular common name for the species *Perionyx sansibaricus.***  **The name *Perionyx sansibaricus given by* Michaelsen in 1891. That’s why we will go with the given article title.** | | |
| **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.** | **It is comprehensive.** | | | **Thank you for confirming the abstract is comprehensive.** | | |
| **Is the manuscript scientifically, correct? Please write here.** | **It is scientifically correct.** | | | **Thank you for confirming the manuscript is scientifically correct.** | | |
| **Are the references sufficient and recent? If you have suggestions of additional**  **references, please mention them**  **in the review form.** | **Authors need sufficient references to improve his/her manuscripts with any year reference.** | | | **We appreciate the comment and References maintained to improved manuscript.** | | |

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| **Is the language/English quality of the article suitable for scholarly communications?** | **Good English only.** | **Thank you for the positive feedback regarding language suitability.** |
| **Optional/General** comments | **Please avoid the references which were not indicated by you under bibliography. A few references are enough to honour the research paper. Unwanted references not needed to include.** | **We appreciate the comment and References maintained to improved manuscript.** |

**PART 2:**

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|  | **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 detail)* | **If needed, author have the permission to conduct research on earthworm.** |