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| Journal Name: | [**PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY**](https://www.ikprress.org/index.php/PCBMB) |
| Manuscript Number: | **Ms\_PCBMB\_13188** |
| Title of the Manuscript: | **Effect of different concentrations of silicon dioxide nanoparticle on growth and yield parameters in buckwheat (Fagopyrum esculentum Moench.)** |
| Type of the Article | **Original Research Article** |

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| **PART 1: Comments** | | |
|  | **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 is quite relevant in emphasizing on the role of Nanoparticles in plants growth. The work design, data computation highly strengthen the result findings.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes.** |  |
| **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.** | Abstracts seems to be lengthy, where some parts of the results can be deleted as it already discussed in the manuscript in detail. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Very much. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References should be recent as citations to 1994, 2000 are given, authors can conveniently add more recent references. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language is good and well structured. |  |
| **Optional/General** comments | **Authors should add some plant figures for support** |  |

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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?** | *No* |  |

**Reviewer details:**

**Shefali Singh, K. N. Government P.G. College Gyanpur, India**