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| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_141892** |
| Title of the Manuscript: | **Optimizing In Vitro callus induction from Spathiphyllum leaf and petiole explants** |
| 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 manuscript described the somatic embryo regeneration of the Spathiphyllum ornamental plant. This method has the benefit of a virus-clean plant that can benefit the international transfer and the pathogen control.** | Direct organogenesis is through shoot tips where we have to destroy the plants. By taking in vitro leaf and petiole, there is no need to destroy the plant and also the surface sterilization step can be avoided  so this can be useful in reducing the cost and time as well. There is lesser chance of fungal and bacterial contamination to tackle with. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, it is suitable.** | 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. | **Abstract needs to show more numbers! Like the concentration of the successful medium ingredients and what is exactly in the medium, e.g., sucrose, vitamins, agar, with their concentrations. Also, the results should be in numbers, too. Explain the experiment set and the factors!** | Okay. The reviewer comments are noted and made those changes and highlighted as well. Every detail mentioned by the reviewer are mentioned in materials and methods. |
| Is the manuscript scientifically, correct? Please write here. | Methods:  -Write more details on the statistical design and data analysis. What software is used, and what is the analysis type? Replicates?   * What is the data that was collected, and is there any specific set to test the callus?   Results:  -The standard error should be written in the results values, e.g., 90.3±2%.  - What is the explant survival mean here?  - Only callus results were shown in the results section! What about the somatic embryos?  Discussion:   * Most of the discussion is results and details! * I recommend merging the results and discussion sections | The statistical design used is CRD and OPSTAT software is used for analysis. The same is also added now. The SEm is also included now The means for all the given tables are updated  Somatic embryos were observed in the initial stages and that data is now given here and only the callus formation is discussed As per the suggestion results and discussion are merged. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes | Yes |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it is good. | Yes |
| Optional/General comments |  |  |

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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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | No |