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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.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes, it is suitable.** |  |
| 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!** |  |
| 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
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | yes |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it is good. |  |
| Optional/General comments |  |  |
| **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)* |  |

**Reviewer details:**

**Rabia El-Hawaz, Clemson University, USA**