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##### **CHECKLIST FOR REVIEWERS**

Title of the manuscript: EFFECTSOF NITROGEN SOURCEAND WAVELENGTH OF LED-LIGHT ON MICROPROPAGATION OF *LYSIONOTUS PAUCIFLORUS* MAXIM.

**Author (s):** Yuan-Xue Lu1, Toshinari Godo2, Kazuhiro Fujiwara3, Kai-Yuan Guan1 and Masahiro Mii4

# No of the manuscript: ..........783................

Deadline for the receiving of your review: 30 days after the receiving of the manuscript

**Please consider main point A and B. Please DO NOT CONTINUE TO REVIEW the manuscript if:**

**- the answer to point A.1 is YES**

**- the answer to point B is LOW.**

**A. Relevance of the paper.**

**1. *Previous publication of the material***

X No

□ Yes. What and where………………………………………………………………...

### B. Scientific and practical importance of the data

□ High

□ Adequate

X Low

### C. Scientific quality

***1. Are the data in this manuscript new?***

X Yes

□ No. Comments:.…………………………………………………………………………

***2. Is the manuscript clearly written and well-organized?***

X Yes

□ No. Comments:.………………...........................................................

***3. Are the Abstract and the Key words adequate?***

X Yes

□ No. Suggestions: ..........................................................

***4. Does the Introduction state the present knowledge and aim of the research?***

X Yes

□ No. Comments: .....................................................................

***5. Materials, methods, and study design***

□Adequate

XImprovement needed. Suggestions:…see attached remarks on the manuscript. Additionally I think the sample size is too low and there is no repetition of the experiment, this should be ……………………………………………

□Inadequate. Comments: ...........................................!

***6. Results and Discussion***

□Properly drawn with regard to methods and data

X Should be adjusted – Suggestions: Because of the study design to work with leaf segments and shoot tips and to have nitrogen and light as well it is not possible to discuss deeply. Especially because data in table 1 are collected after 4 weeks and data in table 3 after 2 months. There is no comparison possible. Also for discussion of nitrogen-source the molar concentration is necessary to compare and the effect of different K level.………………………………………………….

□ Insufficiently supported – Comments: ................................................

***7. Are the tables , figures titles, and legends presented well and necessary?***

□ Yes

X Improvement needed. Suggestions:…see annotation on the manuscript…………………………………………………

□ No. Comments: ........................................................................

***8. Data and statistical treatment***

□ Adequate

X Improvement needed. Comments: no repetitions of the experiments and no statistics for the percentages. I wonder how some data in table 1 can be statistically different with these large standard deviations……………………………………………………

□ Inadequate. Comments: .....................................................

***9. Have all relevant literature been cited***

X Yes

□ No. Suggestions: ....................................................................

**D. Recommendations (after corrections)**

□ The paper should be published as it is now, or with minor editorial changes

□ The paper could be published after minor revision, and need not be re-reviewed

X The paper could be accepted after major revision according to the comments

□ Rejected

#### E. If adjustments or revision is recommended

□ The writer is allowed to contact me

X I want to be anonymous

□ I am not willing to review this paper again

□ I agree to review the manuscript again after the revision

Please add further comments.

I did not understand why NaNO3 was used as nitrogen source and the authors are surprised because of the negative effect. Na is not positive for plants. From this point of view I have problems with the study design. Moreover, effect of light on adventitious shoot regeneration on leaf explants and shoot growth of shoot tip segments should not be mixed.