

Review Form 3

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_126059 |
| Title of the Manuscript: | COMPARATIVE ANALYSIS OF WIDE-BAND TRACHEIDS AND EQUISETUM SPORANGIAL LINING CELLS—SIMILAR ONLY IN FUNCTION AND NOT BY EVOLUTIONARY ORIGINS |
| Type of the Article | Original Research Article |

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PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | | |
| Is the title of the article suitable? (If not please suggest an alternative 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. | | |
| Are subsections and structure of the manuscript appropriate? | | |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. : | | |

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| <p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p> | | |
| <p><u>Optional/General</u> comments</p> | <p>To make the study more scientific and technically robust, the manuscript needs major revision in following areas: -</p> <ol style="list-style-type: none">1. Abstract: - It should contain brief of experimentation method also.2. Keywords: - SPORANGIAL LINING CELLS should be included.3. Introduction: - Its very short it should at least include a brief of <i>Equisetum</i> plant, explain the anti-collapsing feature of WBTs under water stress, significance of study and the introduction should be written in passive voice.4. Material and methods: - It states only the microscopy: i.e. for the cell structure pattern only. As the study is about structural & functional aspects of both WBTs and SLCs, the methodology used to study the functionality should be discussed. Methodology to cut the cells at 15µm should be stated along with specific species and their parts selected for sample collection and slide preparation.5. Result and discussion: - As mentioned in materials and methods secondary cell wall of more than 100 cells from different individuals were measured so the data should be provided and the result should have support of data collected during study along with statistical analysis of same. The figure 1 has been taken from Landrum (2006), A research should have the original pictures taken during the study.6. Conclusion: - Experimental database support should be adopted over logical way to conclude.7. References: - References should be arranged alphabetically when they are cited by author's name in manuscript. Please go through the journal's guidelines for reference writing and citation. | |

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PART 2:

| | Reviewer's comment | Author's comment <i>(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)</i> |
|---|--|---|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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