

Journal Name:	Journal of Global Ecology and Environment
Manuscript Number:	Ms_JOGEE_12755
Title of the Manuscript:	Evaluating Dendroclimatic Relationships of Plantation-Grown Teak (<i>Tectona grandis</i> L.f.) in Thrissur, Kerala
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: 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>
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.	This study provides important insights into dendroclimatology by examining how climatic factors influence the growth of teak (<i>Tectona grandis</i> L.f.) in Kerala, India. Utilizing advanced statistical tools such as TSAP-Win and ARSTAN, it highlights the potential of teak tree rings for reconstructing historical climate patterns. The results are significant for sustainable forest management, understanding climate impacts on tropical tree species, and	

	advancing climate change research.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title, " <i>Evaluating Dendroclimatic Relationships of Plantation-Grown Teak (Tectona grandis L.f.) in Thrissur, Kerala</i> ", is suitable. It succinctly reflects the main objective and geographic scope of the study, targeting a clear and relevant audience.	
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.	<p>The abstract is clear and effectively summarizes the study, covering its objectives, methods, key findings, and importance. However, it could be improved by:</p> <ul style="list-style-type: none"> • Highlighting the implications of the findings for climate adaptation or forestry. • Simplifying overly technical language to make it more accessible to non-specialist readers. 	
Is the manuscript scientifically correct? Please write here.	The manuscript is scientifically sound, utilizing established dendroclimatological techniques and relevant statistical methods. The findings are clearly presented, and the conclusions are consistent with the data. The use of key metrics, such as SNR and EPS, to validate dendroclimatic potential is both standard in the field and well-supported.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient, covering both foundational works (e.g., Fritts, 1976) and recent research (e.g., Gouri et al., 2023).	

Is the language/English quality of the article suitable for scholarly communications?	The language is suitable for academic communication, but some sentences in the introduction and methods sections are complex or repetitive. Simplifying the wording and enhancing clarity would improve readability. Additionally, minor grammatical issues, such as lengthy sentences or tense inconsistencies, should be addressed.	
Optional/General comments	<ul style="list-style-type: none"> • The manuscript showcases a robust methodology, but incorporating visuals like comparison charts with other regional studies could enhance engagement. • Expanding the discussion to explore how the findings relate to other tropical regions or the global context would amplify the paper's significance. • Adding a comprehensive table of key statistical results, such as correlation coefficients for rainfall and temperature, would make the findings more accessible to readers interested in specific details. 	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Pragalbh Tiwari
Department, University & Country	College of Forestry (CoF), Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS) India