

I believe that the authors have made significant improvements to the manuscript. They have provided a more precise explanation of the study's objective in Section 1.3, and they have offered a more comprehensive review of previous research, including the impact of voxel size on vegetation indices calculations. In the Methods section, they have described the process of selecting the appropriate voxel size and referenced the drought tolerance rankings. Additionally, they have clarified the relationship between PAI and CAI and conducted further analysis to evaluate the relationship between WAI, species, height, CAI, and PAI. Their findings highlight the importance of accounting for variations in species mix and structure when correcting ground-based LAI estimates. However, there are a few minor improvements that they should consider:

- Please unify Beer-Lambert's law (Line 99) and Beer-Lambert law (Line 52).
- Unifying the reference format through the article would be better. For example: Li et al., (2016) to (Li et al., 2016).
- Please unify the unit used in the manuscript, such as 5 cm and 0.05 m.
- L262 You would better change the variable a_s to φ_s , which makes readers distinguish it from α .
- Please note to add commas or full stops after equations.
- Please recheck that the dashed line shown in Figure 3 is correct.
- Line 305 TLS-estimated. In Line 253, you defined CAI, so you can now use the abbreviation to refer to it more efficiently.
- Line 333 Please add a comma before "and PAI".
- Line 347 Delete (CAI)
- Line 364 Please reconsider and declare this sentence:
...trees in drier climates tend to have smaller leaves (Peppe et al., 2011), leading to more small canopy gaps...
- In my opinion, the voxel method is a more efficient way to extract local canopy structure features than searching for neighboring point clusters. However, this method may not capture all of the intricate details of the canopy structure.
- Line 423 Change to "the negative relationships between height and α " and "the positive relationships between CAI and α ".
- Please ensure that the number of authors listed in each reference is consistent.
- Please label the values of b that appear in C2 to C4 in Appendix C. Also, remove the checkmarks that are used in these three equations.
- In Tables B1, B2, C3 and C4, what are 95% CI and ICC?