

# Review of: "Modelling and Mapping of Aboveground Carbon of Oluwa Forest Reserve Using LandSat 8 TM and Forest Inventory Data"

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Potential competing interests: No potential competing interests to declare.

Dear Editor,

Article "Modelling and Mapping of Aboveground Carbon of Oluwa Forest Reserve Using LandSat 8 TM and Forest Inventory Data" was studied.

The authors answer the following questions:

- In the abstract, provide more explanations about the method. Delete or merge the initial sentences.
- Newer references should be added to the text of the article.

Please add the reference "Motlagh, M.G., Kafaky, S.B., Mataji, A. et al. Estimating and mapping forest biomass using regression models and Spot-6 images (case study: Hyrcanian forests of north of Iran). *Environ Monitor Assess* 190, 352 (2018). <https://doi.org/10.1007/s10661-018-6725-0> "to the text of the article.

- State the purpose in more detail at the end of the article.
- Show the map of the study area and its location in Nigeria by showing the elevation range.
- Explain the method of ground inventory and sampling method of the region clearly! Randomly?
- In the method section, the sampling method has no reference in all parts!!!. Add references for the research method.
- "Volume Estimation" section lacks scientific reference.
- In Figure 1, are interpolation methods such as kriging used to show the spatial distribution of aboveground carbon map in GIS?
- Put the best fit regression models diagram between aboveground carbon and vegetation indices in the article.