

# Review of: "Investigation of Mechanical Properties of Sisal Fiber and Sugar Palm Fiber Reinforced Hybrid Composites"

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Potential competing interests: No potential competing interests to declare.

## Reviewer's comments

1. There should be consistency with the spelling of fibre in the abstract with that of the entire paper. It seems in each paragraph fibre is spelt differently. Please be consistent with your choice.
2. Spacing in between words should be looked at.
3. Paragraphing should be given consideration.
4. I expect that the objectives of the study could be clearly reinforced at the end of the introduction.
5. The 1<sup>st</sup> paragraph in Materials and Methods [herein referred to as *introduction*] may be added to the main introduction and be duly referenced.
6. *Agave sisalana* should be utilized since it is a scientific name.
7. The materials and methods is too much. It may therefore be considered rewritten to reduce it. For example, this "In order to overcome the high degree of moisture absorption and poor dimensional stability of the natural fibers, they are subjected to chemical treatment. The chemical treatment of the fiber is aimed at improving the adhesion between the fiber surface and the polymer matrix. It will not only modify the fiber surface but also increase fiber strength. The water absorption of composites is reduced, and their mechanical properties will be improved. Sisal and sugar palm fibers were treated with a NaOH solution of 20% concentration. The fibers were treated with the NaOH solution for 3 hrs., and they were allowed to dry at room temperature for 8 hrs.", may be written as "In order to enhance adhesion between the fibre surface and the polymer matrix, fiber strength, and mechanical properties which will impact the dimensional stability, Sisal and sugar palm fibres were treated with a NaOH solution of 20% concentration for 3 hrs. and allowed to dry at room temperature for 8 hrs.".
8. The 5-line introduction under mechanical properties should be considered removed and could be added to the flexural test method.
9. "This process was repeated to weigh the specimens regularly (mass)over 4 days of water immersion" please be specific!
10. This "(165x19x5) mm" should be uniformly spaced apart as (165 x 19 x 5) mm. Others in the same form may need to be consistent.
11. Please you may want to introduce standard error bars in Figures 9 and 10. That will be awesome!
12. Some of the expressions are not necessary in such a great publication.
13. Generally, the article is recommended for publication.

Thank you.



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