

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.

- ABSTRACT

The reading was not that fluid. I suggest reviewing the writing. The content is good, but needs to be reorganized and supplemented.

- INTRODUCTION

Right at the beginning of the introduction I suggest changing "composite materials (made up of fiber and matrix)" to "fiber reinforced composite materials".

The authors give a lot of information without citing the source (entire first and second paragraphs, for example, but there are others)

In the third paragraph, the authors mention fibers by their acronyms (CG and KG) and do not comment on their meaning.

I missed a literature review chapter. The authors merged the review chapter with materials and methods. I suggest separating.

- MATERIALS AND METHODS

Again the authors make several statements without citing the source, for example: "Over the past few years, the focus of researchers has been on eco-friendly, biodegradable, and low-density composites obtained from plant fibers".

The authors present figures and do not cite the source. Did they take it away? Or did they take it from where?

The quality of figure 7 is terrible.

The authors did not make it very clear the importance of carrying out the water absorption test in these cases. I suggest bringing more clarity to this point.

- RESULTS AND DISCUSSIONS

The authors explained methodology in the results section. I suggest changing.

In Figure 8 I suggest changing the order of the caption, it is very counterintuitive to show it this way. I suggest you put them in order 1, 2, 3.

Was the elastic modulus of the samples measured during the tests?

The authors present the results but did not elaborate on any discussion about them. Why in both tensile and flexural strength did composition 1 show the worst performance and why did sample 3 show the best performance? How many % was the difference in resistance between the compositions?

What property/characteristic of palm heart fibers makes it absorb more water?

-CONCLUSIONS

Very simplistic conclusions. I suggest going deeper into the explanations technically.

- REFERENCES

I suggest including more references and more current references.