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.

Review

This paper, while providing some interesting data, looks closer to a popularization paper than a scientific one.

Indeed, it shows nice photographs of plants (Sisal, Sugar palm, …), but lacks clear details allowing reproduction of the results (ex: no information about the type of epoxy resin, its process of polymerization,…).

Before publication, it should, at least, be completed with such information.

Other remarks:

- The language has to be improved, preferably with the help of a native speaker.
- P.4, l.3: The first sentence of the paragraph, starting with "Selvan et al.," seems to lack words; otherwise, it has no sense.
- P.4, §2.1: There is no Figure 1.2. Also, the words "Figure 1.2 shows sisal plants with some of their leaves chopped" should be put after the last word of the paragraph.
- P.8, first paragraph: "A wax coating" : Which wax? On what was it used, fibers, plates? "Epoxy resin" : which one?
- P8, §3: How are the samples cut? Which "salt paper" was used ?
- P9; Fig. 7: The figure should be clearer. It is not clear if ASTM samples (D538, D256, or D790) were used or ISO (178 or 180) ones.
- P9, §3.3: How were the samples notched? Also, the exact dimensions of the notch are critical. The internal radius (if any) of the bottom of the notch should be given.
- P.10, §4.1: UTS, OYS, R are mentioned, but the results are not given.
- P.11, §4.2: There is a confusion between Flexural strength and modulus. What is the meaning of "modulus of rupture"? Also, why are the results given in MPa here and in N/mm2 in paragraph 4.1?
- P.11, figure 9: Why is the ordinate named "Flexural stress"?
- P.12, §4.3: Again, "A small notch" has to be precised.
- P.12, table 1: As they are so weak, the results of sample 2 deserve to be discussed. Was there any porosity present in the samples?
- P.12, § 4.4: What means W_w ? Should it be W_0 ?;